



Northeast Site Solutions  
Victoria Masse  
420 Main Street #2, Sturbridge, MA 01566  
860-306-2326  
victoria@northeastsitesolutions.com

June 8, 2021

Members of the Siting Council  
Connecticut Siting Council  
Ten Franklin Square  
New Britain, CT 06051

RE: Notice of Exempt Modification  
95 High Street, Portland CT 06480  
Latitude: 41.58115  
Longitude: -72.72622217  
T-Mobile Site#: CTHA242A \_NHP

Dear Ms. Bachman:

T-Mobile currently maintains nine (9) antennas at the 110-foot level of the existing 120-foot tower. The property and the tower are both owned by Town of Portland. T-Mobile now intends to add a 25Kw generator to an expanded 4' X 10' concrete pad within existing compound.

Planned Modifications:

Ground work only-Install New:

- (1) GENERAC RD 25 KW AC DIESEL GENERATOR – 240-gallon double walled self-contained tank with fuel sensor. Requires two (2) 12-minute run cycles by-weekly.
- (1) 4'x10" Concrete pad



This facility was approved by the CT Siting Council. Per the attached TS No. TS-T-MOBILE-139-060606 – Dated June, 27 2006. Please see attached original approval minutes from 2006.

Please accept this letter as notification pursuant to Regulations of Connecticut State Agencies § 16- SOj-73, for construction that constitutes an exempt modification pursuant to R.C.S.A. § 16-50j-72(b)(2). In accordance with R.C.S.A. § 16-SOj-73, a copy of this letter is being sent to First Selectwoman Susan S. Bransfield and John Herring, Zoning Enforcement Officer of the Town of Portland, as well as the tower owner and property owner.

The planned modifications to the facility fall squarely within those activities explicitly provided for in R.C.S.A. § 16-50j-72(b)(2).

1. The proposed modifications will not result in an increase in the height of the existing structure.
2. The proposed modifications will not require the extension of the site boundary.
3. The proposed modifications will not increase noise levels at the facility by six decibels or more, or to levels that exceed state and local criteria.
4. The operation of the replacement antennas will not increase radio frequency emissions at the facility to a level at or above the Federal Communications Commission safety standard.
5. The proposed modifications will not cause a change or alteration in the physical or environmental characteristics of the site.
6. The existing structure and its foundation can support the proposed loading.

For the foregoing reasons, T-Mobile respectfully submits that the proposed modifications to the above referenced telecommunications facility constitute an exempt modification under R.C.S.A. § 16-50j-72(b)(2).

Sincerely,

Victoria Masse  
Mobile: 860-306-2326  
Fax: 413-521-0558  
Office: 420 Main Street, Unit 2, Sturbridge MA 01566  
Email: victoria@northeastsitesolutions.com



**NSS** **NORTHEAST**  
SITE SOLUTIONS  
*Turnkey Wireless Development*

Attachments:

cc: First Selectwoman Susan S. Bransfield, as elected official (*email only at [sbransfield@portlandct.org](mailto:sbransfield@portlandct.org)*)

John Herring, Zoning Enforcement Director (*email only at [ZEO@portlandct.org](mailto:ZEO@portlandct.org)*)

Town of Portland - as tower owner & property owner (*email only at [rcurley@portlandct.org](mailto:rcurley@portlandct.org)*)

33 East Main Street

PO Box 71

Portland, CT 06480-0071

# Exhibit A

**(item 16 on the CSC agenda)EM-CING-057-060531 - New Cingular Wireless PCS, LLC notice of intent to modify an existing telecommunications facility located at 1 Butternut Hollow Road, Greenwich, Connecticut.**

**(item 17 on the CSC agenda)EM-CING-064-060602 - New Cingular Wireless PCS, LLC notice of intent to modify an existing telecommunications facility located at 439-455 Homestead Avenue, Hartford, Connecticut.**

**(item 18 on the CSC agenda)EM-CING-014-084-060602 - New Cingular Wireless PCS, LLC notice of intent to modify existing telecommunications facilities located at 21 Acorn Road, Branford; and 10 Bona Road, Milford, Connecticut.**

**(item 19 on the CSC agenda)EM-NEXTEL-161-060606 - Sprint Nextel Communications, Inc. notice of intent to modify an existing telecommunications facility located at 24-½ Richdale Drive, Wilton, Connecticut.**

**(item 21 on the CSC agenda)TS-T-MOBILE-128-060606 - Omnipoint Communications, Inc. request for an order to approve tower sharing at an existing telecommunications facility located at 344 Firetown Road, Simsbury, Connecticut.**

**(item 22 on the CSC agenda)TS-T-MOBILE-113-060607 - Omnipoint Communications, Inc. request for an order to approve tower sharing at an existing telecommunications facility located at 95 High Street, Portland, Connecticut.**

**(item 25 on the CSC agenda)EM-CING-148-101-060-060609 - New Cingular Wireless PCS, LLC notice of intent to modify existing telecommunications facilities located at 945 East Center Street, Wallingford; 120 Universal Drive, North Haven; and 1919 Boston Post Road, Guilford, Connecticut.**

**(item 26 on the CSC agenda)EM-CING-052-132-060609 - New Cingular Wireless PCS, LLC notice of intent to modify existing telecommunications facilities located at 263 Farmington Avenue, Farmington; and 67 McGuire Road, South Windsor, Connecticut.**

**(item 27 on the CSC agenda)TS-T-MOBILE-119-060613 - Omnipoint Communications, Inc. request for an order to approve tower sharing at an existing telecommunications facility located at North Street, Rocky Hill, Connecticut.**

**(item 28 on the CSC agenda)EM-CING-095-060613 - New Cingular Wireless PCS, LLC notice of intent to modify an existing telecommunications facility located at 26 Washington Street, New London, Connecticut.**

**(item 29 on the CSC agenda)EM-CING-093-084-060613 - New Cingular Wireless PCS, LLC notice of intent to modify existing telecommunications facilities located at 310 Orange Street, New Haven; and 528-530 Wheelers Farm Road, Milford, Connecticut.**

**(item 30 on the CSC agenda)EM-CING-062-014-060616 - New Cingular Wireless PCS, LLC notice of intent to modify existing telecommunications facilities located at 2755 State Street, Hamden; and 10 Sylvia Street, Branford, Connecticut.**

**(item 31 on the CSC agenda)EM-CING-155-159-060616 - New Cingular Wireless PCS, LLC notice of intent to modify existing telecommunications facilities located at 27-31 South Main Street, West Hartford; and 23 Kelleher Court, Wethersfield, Connecticut.**

Mr. Ashton moved to approve and/or acknowledge the above referenced exempt modifications and/or tower sharing applications (items 16-19; 21-22, 25-31); seconded by Mr. Emerick. The motion passed unanimously.

**Meeting Minutes**  
**Meeting of June 27, 2006**

A meeting of the Connecticut Siting Council (energy/telecommunications) was held on Monday, June 27, 2006, in Hearing Room One, Ten Franklin Square, New Britain, Connecticut. The meeting was called to order with a quorum present by Pamela B. Katz at 1:30 p.m.

**Council Members Present:**

Pamela B. Katz  
Chairman  
Brian Emerick  
(designee for Commissioner McCarthy)  
Gerald J. Heffernan  
(designee for Commissioner Downes)

Colin C. Tait  
Vice Chairman  
Philip T. Ashton  
Dr. Barbara Currier Bell  
James J. Murphy, Jr.  
Edward S. Wilensky

**Council Member Absent:**

Daniel P. Lynch, Jr.

**Staff Members Present:**

Robert Marconi  
Assistant Attorney General  
S. Derek Phelps  
Executive Director  
Fred O. Cunliffe  
Supervising Siting Analyst  
Christina Lepage  
Siting Analyst

John Haines  
Assistant Attorney General  
Robert D. Mercier  
Siting Analyst  
David Martin  
Siting Analyst  
Michael Perrone  
Siting Analyst

**Recording Secretary:**

Lisa A. Fontaine

**Minutes of June 7, 2006.**

Mr. Heffernan moved to approve the Minutes of June 7, 2006; seconded by Mr. Ashton. The motion passed with Mr. Emerick abstaining.



**DOCKET NO. 190 - PDC - El Paso Meriden LLC Certificate of Environmental Compatibility and Public Need for a proposed Meriden Power Project located in the City of Meriden and the Town of Berlin, Connecticut. Request for Approval of Conservation Restrictions and Easements.**

Mr. Murphy moved to approve that specific parties with conservation easements, a right of enforcement by a local land trust, or similarly situated parties may be incorporated into the deeds of the land transfer; seconded by Mr. Heffernan. The motion passed unanimously.

**DOCKET NO. 272 - The Connecticut Light and Power Company and The United Illuminating Company Certificate of Environmental Compatibility and Public Need for the Construction of a New 345-kV Electric Transmission Line and Associated Facilities Between Scovill Rock Switching Station in Middletown and Norwalk Substation in Norwalk, Connecticut Including the Reconstruction of Portions of Existing 115-kV and 345-kV Electric Transmission Lines, the Construction of the Beseck Switching Station in Wallingford, East Devon Substation in Milford, and Singer Substation in Bridgeport, Modifications at Scovill Rock Switching Station and Norwalk Substation and the Reconfiguration of Certain Interconnections. Development and Management Plan – Segment 4b Sasco Creek, Westport to Intersection of Father Conlon Place and North Avenue, Norwalk.**

Mr. Wilensky moved to approve the Development and Management (D&M) Plan for Segment 4b – Sasco Creek, Westport to Intersection of Father Conlon Place and North Avenue, Norwalk with the following conditions regarding the trenching of 345-kV XLPE transmission cable D&M Plan:

- That CL&P conduct pre-construction meetings with the Town of Westport and City of Norwalk including businesses and emergency responders, time of construction, explore vault locations to avoid former landfill in Town of Westport, and conform to the greatest extent possible with the Department of Transportation (DOT).
- That CL&P provide two weeks advance notice to the Council and municipalities prior to commencement of construction.
- That CL&P provide a weekly Environmental Inspector's report.
- That CL&P provide a quarterly construction reports noting milestones of construction activity.
- That CL&P provide the locations of the contractors' yard and staging areas to the Council prior to use.
- That CL&P provide a copy of the DOT Encroachment Permit, including management and protection of traffic plan prior to the commencement of construction.
- That CL&P submit a Spill Prevention and Response Plan which should address actions to prevent spills, to provide emergency notification if spills occur, and to clean up spills and a soil and groundwater management plan including locations for treatment and/or disposal be provided to the Council prior to construction.
- That CL&P provide noise mitigation plan prior to the commencement of construction and submit non-resolution of constituent concerns after 15 days to the Council.

**DOCKET NO. 311 - Northeast Utilities Service Company, on behalf of The Connecticut Light and Power Company (CL&P) application for a Certificate of Environmental Compatibility and Public Need for the construction, maintenance and operation of the proposed Wilton 35A Substation at 53 Old Danbury Road, Wilton, Connecticut. Draft Findings of Fact.**

Mr. Ashton moved to take this item off the table; seconded by Dr. Bell. The motion passed unanimously.

After reviewing the draft Findings of Fact, Chairman Katz polled the Council members with Mr. Ashton, Mr. Heffernan, Mr. Emerick, Mr. Wilensky, Dr. Bell, Mr. Murphy, and Chairman Katz in favor of granting a Certificate for the proposed Substation; and Mr. Tait abstaining.

Chairman Katz directed staff to draft a favorable Opinion and Decision and Order to be reviewed at the next meeting.

**DOCKET NO. 314 - Bay Communications, LLC application for the recertification of a Certificate of Environmental Compatibility and Public Need for the construction, maintenance and operation of a wireless telecommunications facility at 170 Southeast Road, New Hartford, Connecticut. Draft Findings of Fact.**

Chairman Katz requested that Mr. Tait act as Chairman for this discussion.

After reviewing the draft Findings of Fact, Vice Chairman Tait polled the Council members with Mr. Ashton, Mr. Heffernan, Mr. Emerick, Mr. Wilensky, Dr. Bell, and Mr. Murphy in favor of granting a Certificate for the proposed telecommunications facility.

Vice Chairman Tait directed staff to draft a favorable Opinion and Decision and Order to be reviewed at the next meeting.

Chairman Katz resumed her position as Chair.

**DOCKET NO. 316 - Optasite, Inc. application for a Certificate of Environmental Compatibility and Public Need for the construction, maintenance and operation of a telecommunications facility at 50 Fairchild Road, Middletown, Connecticut. Completeness Review, Schedule, Custodian of the Docket, Deposition of the Transcript, Request for Party/Intervenor Status.**

Mr. Ashton moved to approve the application as complete and to approve the schedule for processing the docket as per staff recommendations; the appointment of Lisa Fontaine as custodian of the docket; deposition of the transcript in the City of Middletown; and a public field review and hearing in Middletown on Tuesday, September 26, 2006; seconded by Mr. Murphy. The motion passed unanimously.



***(item 20 on the CSC agenda)*TS-T-MOBILE-139-060606 - Omnipoint Communications, Inc. request for an order to approve tower sharing at an existing telecommunications facility located at 848 East Street South, Suffield, Connecticut.**

Mr. Ashton moved to approve Omnipoint Communications, Inc. request for an order to approve tower sharing at an existing telecommunications facility; seconded by Mr. Heffernan. The motion passed unanimously.

***(item 23 on the CSC agenda)*EM-VER-089-119-060608 - Cellco Partnership d/b/a Verizon Wireless notice of intent to modify existing telecommunications facilities located at 1 Hartford Square, New Britain; and 1218 Cromwell Avenue, Rocky Hill, Connecticut.**

Mr. Emerick moved to acknowledge Cellco Partnership d/b/a Verizon Wireless notice of intent to modify these existing telecommunications facilities with the condition that the recommendation on page 3 of the structural analysis report for the New Britain site is implemented; seconded by Mr. Tait. The motion passed unanimously.

***(item 24 on the CSC agenda)*EM-CING-064-043-155-094-060609 - New Cingular Wireless PCS, LLC notice of intent to modify existing telecommunications facilities located at 11 Mountain Road, Hartford; 2 Prestige Park Drive, East Hartford; 125 South Main Street, West Hartford; and 123 Costello Road, Newington, Connecticut.**

Dr. Bell moved to table the Hartford site until further information is received; seconded by Mr. Ashton. The motion passed unanimously.

Mr. Ashton moved to approve New Cingular Wireless PCS, LLC notice of intent to modify the East Hartford, West Hartford, and Newington existing telecommunications facilities; seconded by Mr. Heffernan. The motion passed unanimously.

***(item 32 on the CSC agenda)*EM-CING-155-060616 - New Cingular Wireless PCS, LLC notice of intent to modify an existing telecommunications facility located at 139 North Main Street, West Hartford, Connecticut.**

Mr. Emerick moved to acknowledge New Cingular Wireless PCS, LLC notice of intent to modify this existing telecommunications facility with the following conditions:

1. A detailed structural analysis letter is provided to the Council and all recommendations by the engineer are implemented prior to the antenna installation.
2. All conditions recommended by the State Historic Preservation Officer in the June 6, 2006 letter are met.

Chairman Katz thanked staff and Council members for the “wonderful ride” on the Connecticut Siting Council, and appreciated the opportunity to work with such talented individuals.

**Adjournment.**

Chairman Katz adjourned the Council meeting at 3:25 p.m.

**Respectfully submitted,**

**Pamela B. Katz, P.E.**  
**Chairman**

PBK/laf

# Exhibit B

# Portland, CT : Assessor Database

**Property Search:**

Parcel ID:  Alternate ID:  Owner 1 Name:  Street Number:  Street Name:

**Property Detail:**

Parcel ID: 039-0059 Alternate ID/Map Block Lot: 00217600 Card: Card: Street Name: HIGH ST Street Number: 95 Zoning: R15 LUC: Communication Towers Acres: 15.50

**Owner Information:**

Owner 1 Name: PORTLAND TOWN OF  
 Owner 2 Name: PORTLAND MIDDLE SCHOOL  
 Street 1: PO BOX 71  
 Street 2:  
 City: PORTLAND  
 State: CT  
 Zip: 06480  
 Volume: 84  
 Page: 141

**Valuation:**

Appraised Land: \$1,536,000.00  
 Appraised Bldg: \$108,000.00  
 Appraised Total: \$1,644,000.00  
 Total Assessment: \$1,150,800.00

**Property Images:**

Picture:



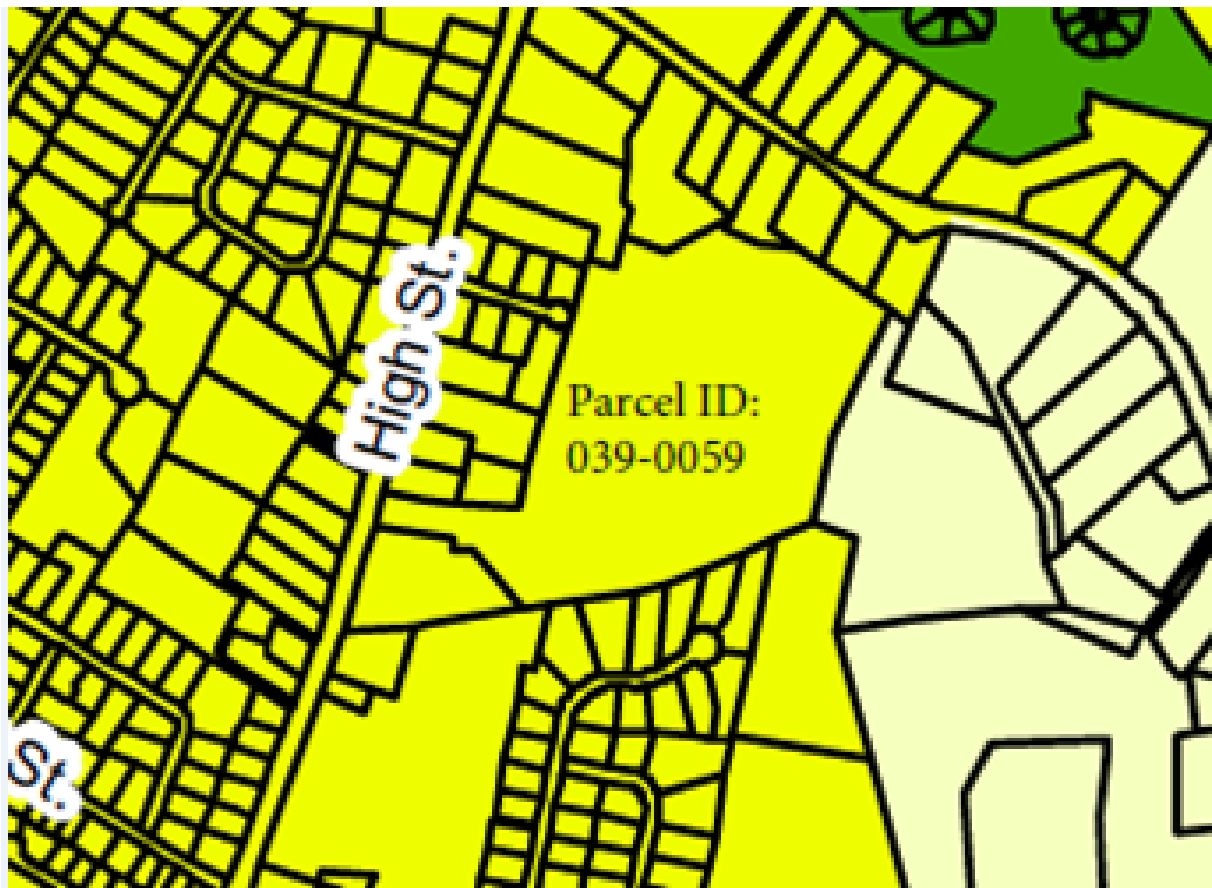
**Sketch:**

There is no sketch available.

**Out-Buildings:**

Code:	Description:	Units:	Year Built:	Size1:	Size2:	Area:	Grade:	Condition:
TT4	TOWER CELLULAR	4	2009	1	120	0	1	





# Exhibit C

MODIFICATION TO EXISTING WIRELESS FACILITY BY



**T-MOBILE NORTHEAST LLC**

**NATIONAL HARDENING PROJECT**

**SITE NUMBER: CTHA242A**

**SITE NAME: HA242/PORTLANDHS-SST**

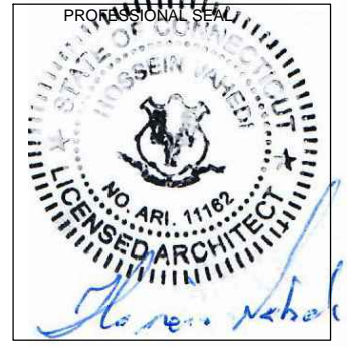
**SITE ADDRESS: 95 HIGH STREET**

**PORTLAND, CT 06480**

**APPLICANT:**  
**T-MOBILE NORTHEAST LLC**  
 35 GRIFFIN ROAD SOUTH  
 BLOOMFIELD, CT 06002  
 860-692-7100

**PROJECT MANAGER**  
**NORTHEAST SITE SOLUTIONS**  
*Turning Wireless Development*  
 420 MAIN STREET, BLDG 4  
 STURBRIDGE, MA 01566  
 203-275-6669

**CONSULTANT:**  
**FORESITE LLC**  
*Architects . Engineers . Surveyors*  
 462 WALNUT STREET  
 NEWTON, MA 02460  
 617-212-3123



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REV	DESCRIPTION	DATE
A	PRELIMINARY	03/23/21

SITE NUMBER: CTHA242A  
 SITE NAME: HA242/PORTLANDHS-SST  
 SITE ADDRESS:  
 95 HIGH STREET  
 PORTLAND, CT 06480

SHEET TITLE:  
 T-1: TITLE SHEET

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**PROJECT NOTES:**

- THIS IS AN UNMANNED TELECOMMUNICATION FACILITY AND NOT FOR HUMAN HABITATION. HANDICAPPED ACCESS IS NOT REQUIRED. POTABLE WATER OR SANITARY SERVICE IS NOT REQUIRED. NO OUTDOOR STORAGE OR ANY SOLID WASTE RECEPTACLES REQUIRED.
- CONTRACTOR SHALL VERIFY ALL PLANS, EXISTING DIMENSIONS, AND CONDITIONS ON THE JOB SITE. CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ARCHITECT/ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK. FAILURE TO NOTIFY THE ARCHITECT/ENGINEER PLACES THE RESPONSIBILITY ON THE CONTRACTOR TO CORRECT THE DISCREPANCIES AT THE CONTRACTOR'S EXPENSE.
- DEVELOPMENT AND USE OF THE SITE WILL CONFORM TO ALL APPLICABLE CODES, ORDINANCES AND SPECIFICATIONS.

**CODE COMPLIANCE:**

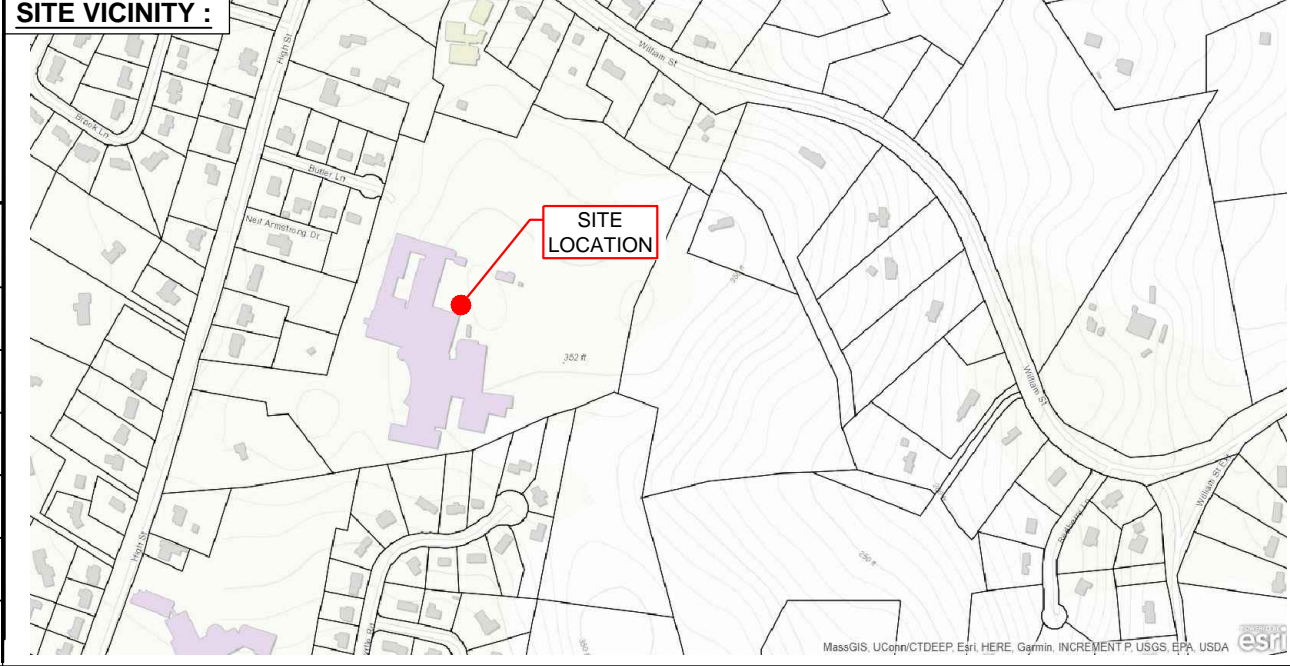
ALL WORK SHALL COMPLY WITH THE CURRENT NATIONAL AND CONNECTICUT STATE BUILDING AND LIFE SAFETY CODES, SUPPLEMENTS AND AMENDMENTS INCLUDING BUT NOT LIMITED TO THE LATEST EDITION OF:

CONNECTICUT STATE BUILDING CODE (CSBC).  
 ANSII/A-222-G STRUCTURAL STANDARD FOR ANTENNA SUPPORTING STRUCTURES AND ANTENNAS.  
 NATIONAL ELECTRICAL CODE (NEC) FOR POWER AND GROUNDING REQUIREMENTS.  
 OCCUPATIONAL SAFETY AND HEALTH ACT (OSHA).  
 NFPA - NATIONAL FIRE PROTECTION ASSOCIATION.

**Connecticut - Call Before You Dig**  
 811 or 1-800-922-4455  
**Advance Notice:** Minimum of 2 working days in advance, no more than 30 days in advance

**APPROVALS:**

FSA CM	DATE
RF ENGINEER	DATE
FOPS	DATE
T-MOBILE ENGINEERING AND DEVELOPMENT	DATE
	DATE
	DATE



**PROJECT SCOPE:**

THE PROPOSED PROJECT SCOPE WILL CONSIST OF INSTALLING A NEW GENERAC RD 25 KW AC DIESEL GENERATOR AND TANK FOR AN EXISTING TELECOM BASE STATION. NO SIGNIFICANT GRADING IS REQUIRED. ALL PROPOSED CONSTRUCTION WILL BE CONTAINED WITHIN TOWER SITE LEASE AREA.

**PROJECT INFORMATION:**

ADDRESS: 95 HIGH STREET  
 PORTLAND, CT 06480

COORDINATES: 41°34'51.84" N, 72°37'18.97" W  
 STRUCTURE TYPE: SELF SUPPORT TOWER

PARCEL ID: 039-0059  
 ZONING DISTRICT: R15  
 LAND USE: (431) COMMUNICATION TOWERS

**PROJECT TEAM:**

APPLICANT: T-MOBILE NORTHEAST, LLC.  
 35 GRIFFIN ROAD SOUTH  
 BLOOMFIELD, CT 06002  
 860-692-7100

PROPERTY OWNER: PORTLAND TOWN OF  
 PORTLAND MIDDLE SCHOOL  
 PO BOX 71  
 PORTLAND CT 06480 0071

PROJECT MANAGER: NORTHEAST SITE SOLUTIONS  
 420 MAIN STREET, BLDG 4  
 STURBRIDGE, MA 01566  
 SHELDON FREINCLE  
 SHELDON@NORTHEASTSITESOLUTIONS.COM  
 201-776-8521

ENGINEERING CONSULTANTS: FORESITE LLC  
 462 WALNUT ST, SUITE 1  
 NEWTON, MA 02460  
 SAEED MOSSAVAT  
 SMOSSAVAT@FORESITELLC.COM  
 617-212-3123

**SHEET INDEX:**

T-1: TITLE SHEET  
 N-1: GENERAL NOTES  
 A-1: SITE PLAN  
 A-2: PARTIAL SITE PLAN  
 A-3: GENERATOR SPECIFICATIONS AND DETAILS  
 A-4: GENERATOR SPECIFICATIONS AND DETAILS  
 A-5: AUTOMATIC TRANSFER SWITCH SPECIFICATIONS  
 A-6: UNDERGROUND CONDUITS AND CONC PAD DETAILS  
 E-1: ELECTRICAL DETAILS  
 G-1: GROUNDING DETAILS



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**GENERAL NOTES:**

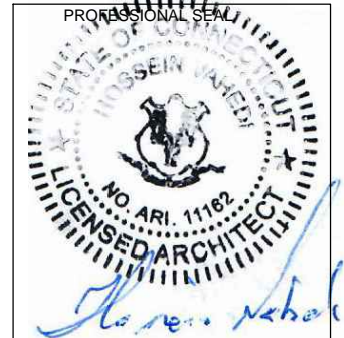
1. THE CONTRACTOR SHALL GIVE ALL NOTICES AND COMPLY WITH ALL LAWS, ORDINANCES, RULES, REGULATIONS AND LAWFUL ORDERS OF ANY PUBLIC AUTHORITY, MUNICIPAL AND UTILITY COMPANY SPECIFICATIONS, AND LOCAL AND STATE JURISDICTIONAL CODES BEARING ON THE PERFORMANCE OF THE WORK. THE WORK PERFORMED ON THE PROJECT AND THE MATERIALS INSTALLED SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS, AND ORDINANCES.
2. THE ARCHITECT/ENGINEER HAS MADE EVERY EFFORT TO SET FORTH IN THE CONSTRUCTION AND CONTRACT DOCUMENTS THE COMPLETE SCOPE OF WORK. THE CONTRACTOR BIDDING THE JOB IS NEVERTHELESS CAUTIONED THAT MINOR OMISSIONS OR ERRORS IN THE DRAWINGS AND OR SPECIFICATIONS SHALL NOT EXCUSE SAID CONTRACTOR FROM COMPLETING THE PROJECT AND IMPROVEMENTS IN ACCORDANCE WITH THE INTENT OF THESE DOCUMENTS.
3. THE CONTRACTOR OR BIDDER SHALL BEAR THE RESPONSIBILITY OF NOTIFYING (IN WRITING) THE CLIENT'S REPRESENTATIVE OF ANY CONFLICTS, ERRORS, OR OMISSIONS PRIOR TO THE SUBMISSION OF CONTRACTOR'S PROPOSAL OR PERFORMANCE OF WORK.
5. THE CONTRACTOR SHALL VISIT THE JOB SITE PRIOR TO THE SUBMISSION OF BIDS OR PERFORMING WORK TO FAMILIARIZE HIMSELF WITH THE FIELD CONDITIONS AND TO VERIFY THAT THE PROJECT CAN BE CONSTRUCTED IN ACCORDANCE WITH THE CONSTRUCTION DOCUMENTS.
6. THE CONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS ACCORDING TO THE MANUFACTURER'S / VENDOR'S SPECIFICATIONS UNLESS NOTED OTHERWISE OR WHERE LOCAL CODES OR ORDINANCES TAKE PRECEDENCE.
7. THE CONTRACTOR SHALL MAKE NECESSARY PROVISIONS TO PROTECT EXISTING IMPROVEMENTS DURING CONSTRUCTION.
8. THE CONTRACTOR SHALL COMPLY WITH ALL PERTINENT SECTIONS OF THE BASIC STATE BUILDING CODE, LATEST EDITION, AND ALL OSHA REQUIREMENTS AS THEY APPLY TO THIS PROJEC
9. THE CONTRACTOR SHALL NOTIFY THE CLIENT'S REPRESENTATIVE IN WRITING WHERE A CONFLICT OCCURS ON ANY OF THE CONTRACT DOCUMENTS. THE CONTRACTOR IS NOT TO ORDER MATERIAL OR CONSTRUCT ANY PORTION OF THE WORK THAT IS IN CONFLICT UNTIL CONFLICT IS RESOLVED BY THE CLIENT'S REPRESENTATIVE.
10. THE WORK SHALL CONFORM TO THE CODES AND STANDARDS OF THE FOLLOWING AGENCIES AS FURTHER CITED HEREIN:
  - A. ASTM: AMERICAN SOCIETY FOR TESTING AND MATERIALS, AS PUBLISHED IN "COMPILATION OF ASTM STANDARDS BUILDING CODES" OR LATEST EDITION.
  - B. AWS: AMERICAN WELDING SOCIETY INC. AS PUBLISHED IN "STANDARD D1.1-08, STRUCTURAL WELDING CODE" OR LATEST EDITION.
  - C. AISC: AMERICAN INSTITUTE FOR STEEL CONSTRUCTION AS PUBLISHED IN "CODE FOR STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES"; "SPECIFICATIONS FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS" (LATEST EDITION).
11. BOLTING:
  - A. BOLTS SHALL BE CONFORMING TO ASTM A325 HIGH STRENGTH, HOT DIP GALVANIZED WITH ASTM A153 HEAVY HEX TYPE NUTS.
  - B. BOLTS SHALL BE 3/4"Ø MINIMUM (UNLESS OTHERWISE NOTED)
  - C. ALL CONNECTIONS SHALL BE 2 BOLTS MINIMUM.
12. FABRICATION:
  - A. FABRICATION OF STEEL SHALL CONFORM TO THE AISC AND AWS STANDARDS AND CODES (LATEST EDITION).
  - B. ALL STRUCTURAL STEEL SHALL BE HOT-DIP GALVANIZED AFTER FABRICATION IN ACCORDANCE WITH ASTM A123 (LATEST EDITION), UNLESS OTHERWISE NOTED.
13. ERECTION OF STEEL:
  - A. PROVIDE ALL ERECTION EQUIPMENT, BRACING, PLANKING, FIELD BOLTS, NUTS, WASHERS, DRIFT PINS, AND SIMILAR MATERIALS WHICH DO NOT FORM A PART OF THE COMPLETED CONSTRUCTION BUT ARE NECESSARY FOR ITS PROPER ERECTION.
  - B. ERECT AND ANCHOR ALL STRUCTURAL STEEL IN ACCORDANCE WITH AISC REFERENCE STANDARDS. ALL WORK SHALL BE ACCURATELY SET TO ESTABLISHED LINES AND ELEVATIONS AND RIGIDLY FASTENED IN PLACE WITH SUITABLE ATTACHMENTS TO THE CONSTRUCTION OF THE BUILDING.
  - C. TEMPORARY BRACING, GUYING AND SUPPORT SHALL BE PROVIDED TO KEEP THE STRUCTURE SAFE AND ALIGNED AT ALL TIMES DURING CONSTRUCTION, AND TO PREVENT DANGER TO PERSONS AND PROPERTY. CHECK ALL TEMPORARY LOADS AND STAY WITHIN SAFE CAPACITY OF ALL BUILDING COMPONENTS.
14. ANTENNA INSTALLATION:
  - A. INSTALL ANTENNAS AS INDICATED ON DRAWINGS AND CLIENT'S REPRESENTATIVE SPECIFICATIONS.

- B. INSTALL GALVANIZED STEEL ANTENNA MOUNTS AS INDICATED ON DRAWINGS.
- C. INSTALL COAXIAL / FIBER CABLES AND TERMINATIONS BETWEEN ANTENNAS AND EQUIPMENT PER MANUFACTURER'S RECOMMENDATIONS. WEATHERPROOF ALL CONNECTORS BETWEEN THE ANTENNA AND EQUIPMENT PER MANUFACTURER'S REQUIREMENTS.
15. ANTENNA AND COAXIAL / FIBER CABLE GROUNDING:
  - A. ALL EXTERIOR #6 GREEN GROUND WIRE "DAISY CHAIN" CONNECTIONS ARE TO BE WEATHER SEALED WITH ANDREWS CONNECTOR/SPLICE WEATHERPROOFING KIT TYPE #221213 OR EQUAL.
  - B. ALL COAXIAL / FIBER CABLE GROUNDING KITS ARE TO BE INSTALLED ON STRAIGHT RUNS OF COAXIAL / FIBER CABLE (NOT WITHIN BENDS).
16. RELATED WORK, FURNISH THE FOLLOWING WORK AS SPECIFIED UNDER CONSTRUCTION DOCUMENTS, BUT COORDINATE WITH OTHER TRADES PRIOR TO BID:
  - A. FLASHING OF OPENING INTO OUTSIDE WALLS
  - B. SEALING AND CAULKING ALL OPENINGS
  - C. PAINTING
  - D. CUTTING AND PATCHING
17. REQUIREMENTS OF REGULATORY AGENCIES:
  - A. FURNISH U.L. LISTED EQUIPMENT WHERE SUCH LABEL IS AVAILABLE. INSTALL IN CONFORMANCE WITH U.L. STANDARDS WHERE APPLICABLE.
  - B. INSTALL ANTENNA, ANTENNA CABLES, GROUNDING SYSTEM IN ACCORDANCE WITH DRAWINGS AND SPECIFICATION IN EFFECT AT PROJECT LOCATION AND RECOMMENDATIONS OF STATE AND LOCAL BUILDING CODES, AND SPECIAL CODES HAVING JURISDICTION OVER SPECIFIC PORTIONS OF WORK. THIS WORK INCLUDES BUT IS NOT LIMITED TO THE FOLLOWING:
    - C. TIA-EIA - 222 (LATEST EDITION). STRUCTURAL STANDARDS FOR STEEL ANTENNA TOWERS AND ANTENNA SUPPORTING STRUCTURES.
    - D. FAA - FEDERAL AVIATION ADMINISTRATION ADVISORY CIRCULAR AC 70/7460-IH, OBSTRUCTION MARKING AND LIGHTING.
    - E. FCC - FEDERAL COMMUNICATIONS COMMISSION RULES AND REGULATIONS FORM 715, OBSTRUCTION MARKING AND LIGHTING SPECIFICATION FOR ANTENNA STRUCTURES AND FORM 715A, HIGH INTENSITY OBSTRUCTION LIGHTING SPECIFICATIONS FOR ANTENNA STRUCTURES.
    - F. AISC - AMERICAN INSTITUTE OF STEEL CONSTRUCTION SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A325 BOLTS (LATEST EDITION).
    - G. NEC - NATIONAL ELECTRICAL CODE - ON TOWER LIGHTING KITS.
    - H. UL - UNDERWRITER'S LABORATORIES APPROVED ELECTRICAL PRODUCTS.
  - I. IN ALL CASES, PART 77 OF THE FAA RULES AND PARTS 17 AND 22 OF THE FCC RULES ARE APPLICABLE AND IN THE EVENT OF CONFLICT, SUPERSEDE ANY OTHER STANDARDS OR SPECIFICATIONS.
  - J. 2018 LIFE SAFETY CODE NFPA - 101.

**APPLICANT:**  
  
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 35 GRIFFIN ROAD SOUTH  
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 860-692-7100

**PROJECT MANAGER**  
  
 420 MAIN STREET, BLDG 4  
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 203-275-6669

**CONSULTANT:**  
  
 Architects . Engineers . Surveyors  
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REV	DESCRIPTION	DATE
A	PRELIMINARY	03/23/21

SITE NUMBER: CTHA242A  
 SITE NAME: HA242/PORTLANDHS-SST  
 SITE ADDRESS:  
 95 HIGH STREET  
 PORTLAND, CT 06480

SHEET TITLE:  
**A-1: GENERAL NOTES**



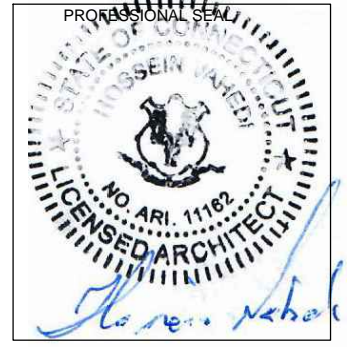
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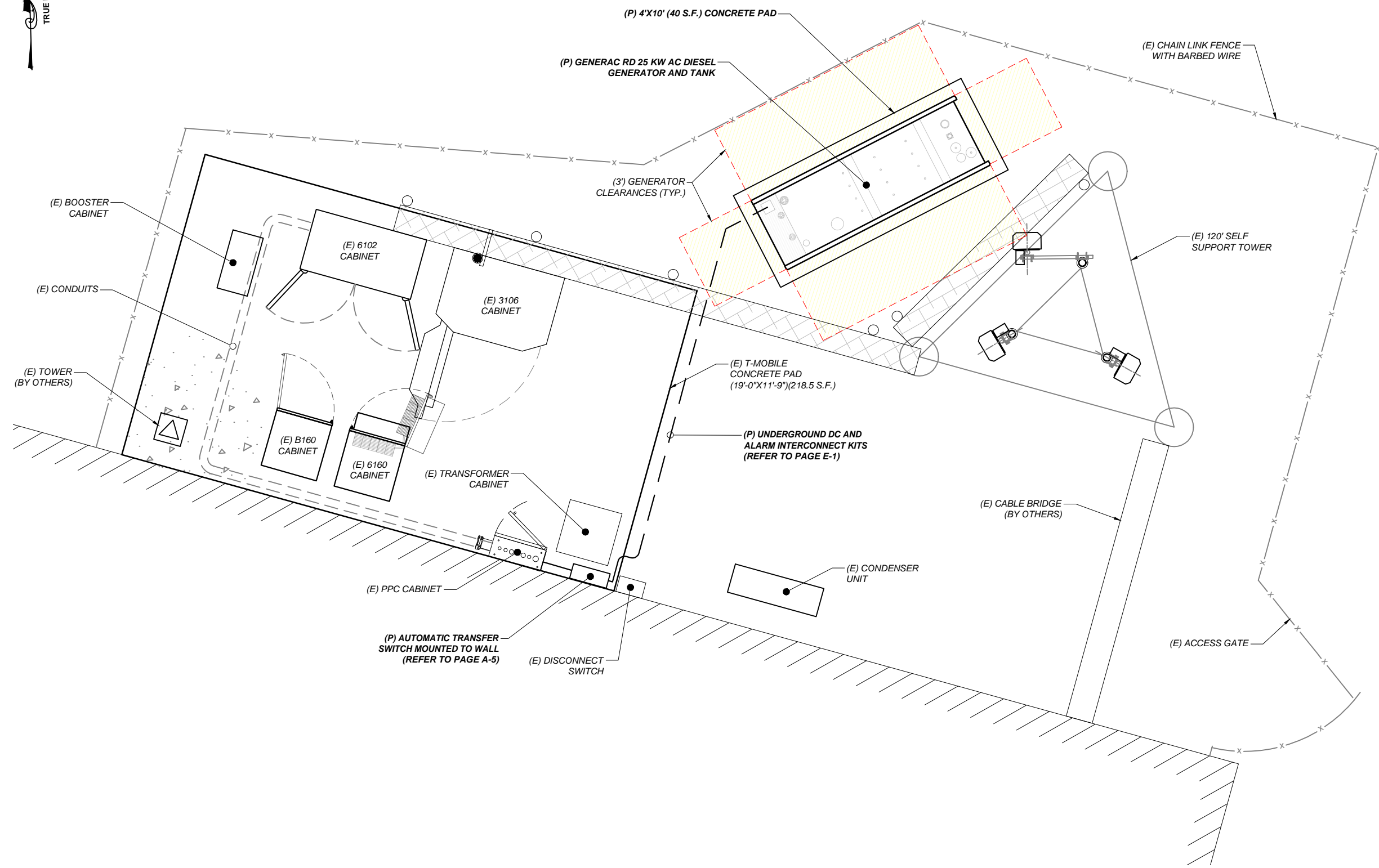
REV	DESCRIPTION	DATE
A	PRELIMINARY	03/23/21

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SHEET TITLE:  
 A-1: SITE POINT CLOUD

**SITE LOCATION PLAN** 1  
 SCALE: 1"=150'± A-1

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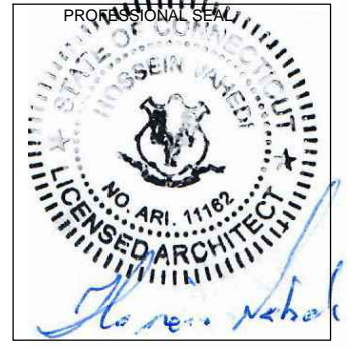


**PARTIAL SITE PLAN** 2  
 SCALE: 1/4" = 1'-0" A-2

**APPLICANT:**  
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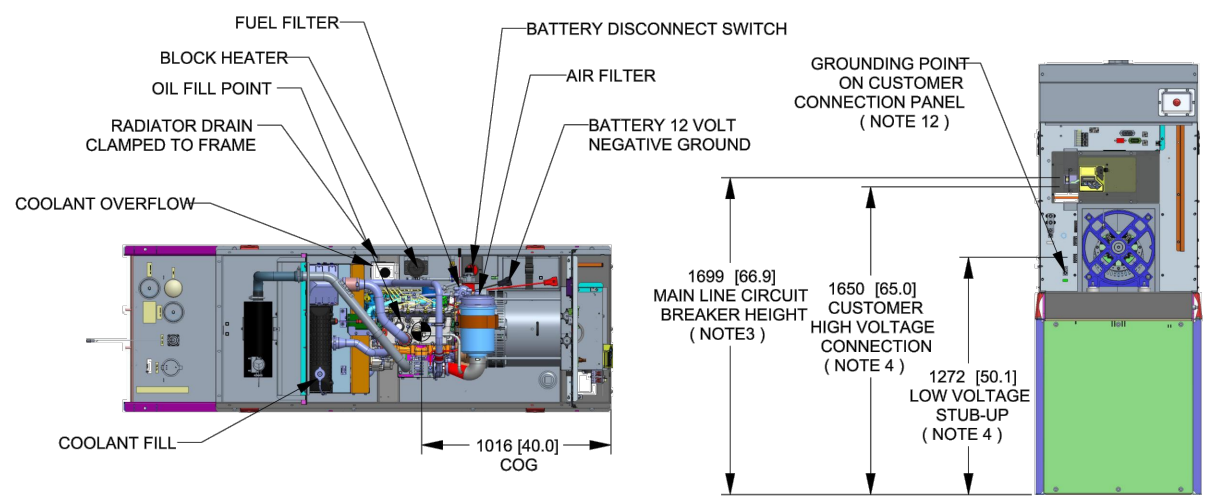
SHEET TITLE:  
 A-2: PARTIAL SITE PLAN



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**GENERAC RD 25 KW AC DIESEL GENERATOR AND TANK**

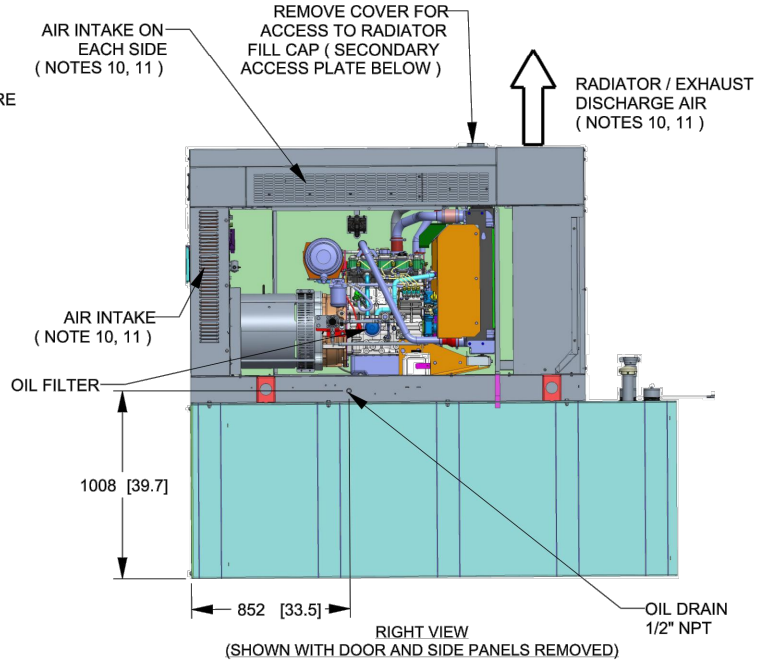
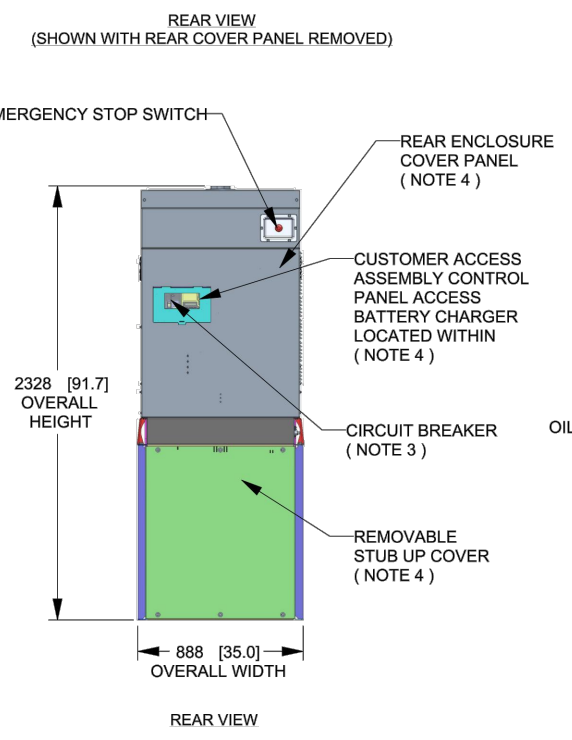
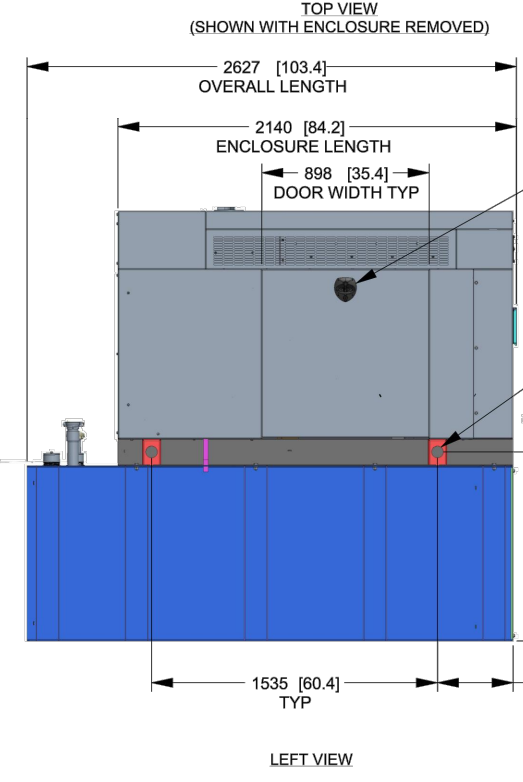
SH	1/2	REV	2	WINDCHILL VERSION	2.12
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WEIGHT DATA WITH EMPTY BASE TANK (SEE NOTE 6)	
GENERATOR AS SHOWN	1336 [2946]
WITH WOODEN SHIPPING SKID	1354 [2984]

WEIGHT: KG [LBS]  
DIMENSIONS: MM [INCHES]

- NOTES:**
- THIS UNIT MUST BE INSTALLED IN ACCORDANCE WITH CURRENT APPLICABLE NFPA 37 AND NFPA 70 STANDARDS AS WELL AS ANY OTHER FEDERAL, STATE, AND LOCAL CODES.
  - BATTERY (12 VOLT NEGATIVE GROUND SYSTEM).
  - CONTROL PANEL / CIRCUIT BREAKER INFORMATION:
    - MAIN LINE CIRCUIT BREAKER 125 AMPS
    - SEE SPECIFICATION SHEET OR OWNERS MANUAL
    - ACCESSIBLE THROUGH CUSTOMER ACCESS ASSEMBLY DOOR ON REAR OF GENERATOR.
    - CONTROL PANEL INCLUDES INTEGRATED BATTERY CHARGER
  - REMOVE THE REAR STUB-UP AND REAR ENCLOSURE COVER PANEL TO ACCESS THE STUB-UP AREAS AS FOLLOWS:
    - HIGH VOLTAGE CONNECTION INCLUDING AC LOAD LEAD CONDUIT CONNECTION, NEUTRAL CONNECTION, AND BATTERY CHARGER 120 VOLT AC (0.5 AMP MAX) CONNECTION.
    - LOW VOLTAGE CONNECTION INCLUDING TRANSFER SWITCH CONTROL WIRES
  - ENGINE SERVICE CONNECTIONS  
OIL DRAIN: 1/2" NPT  
RADIATOR DRAIN : HOSE CLAMPED TO FRAME
  - CENTER OF GRAVITY AND WEIGHT MAY CHANGE DUE TO UNIT OPTIONS.
  - BOTTOM OF GENERATOR SET MUST BE ENCLOSED TO PREVENT PEST INTRUSION AND RECIRCULATION OF DISCHARGE AIR AND/OR IMPROPER COOLING AIR FLOW.
  - REFERENCE OWNERS MANUAL FOR LIFTING WARNINGS.
  - MOUNTING BOLTS OR STUDS TO MOUNTING SURFACE SHALL BE 5/8-11 GRADE 5 (USE STANDARD SAE TORQUE SPECS)
  - MUST ALLOW FREE FLOW OF INTAKE AIR, DISCHARGE AIR AND EXHAUST. SEE SPEC SHEET FOR MINIMUM AIR FLOW AND MAXIMUM RESTRICTION REQUIREMENTS.
  - GENERATOR MUST BE INSTALLED SUCH THAT FRESH COOLING AIR IS AVAILABLE AND THAT DISCHARGE AIR FROM RADIATOR IS NOT RECIRCULATED. RECOMMENDED MINIMUM PERIMETER(3FT) AND VERTICAL OVER EXHAUST (5FT) CLEARANCE FOR SITE LOCATION.
  - GENERATOR MUST BE GROUNDED.



DRAWING CREATED FROM PRO/ENGINEER 3D FILE. ECO MODIFICATION TO BE APPLIED TO SOLID MODEL ONLY.

# INSTALLATION DRAWING

**GENERAC**

TITLE: **INSTALLATION D2.2L 25KW Y06 PD**

ISSUE DATE: 5/10/18

SIZE	CAGE NO	DWG NO	REV
B	N/A	10000036728	2
SCALE	WT-KG	SHEET	
0.031	SEE ABOVE	1 of 2	

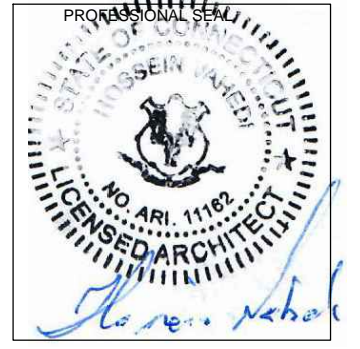
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ELECTRONICALLY APPROVED INSIDE WINDCHILL

**APPLICANT:**  
**T-Mobile**  
**T-MOBILE NORTHEAST LLC**  
35 GRIFFIN ROAD SOUTH  
BLOOMFIELD, CT 06002  
860-692-7100

**PROJECT MANAGER**  
**NORTHEAST SITE SOLUTIONS**  
Turning Vision Development  
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**CONSULTANT:**  
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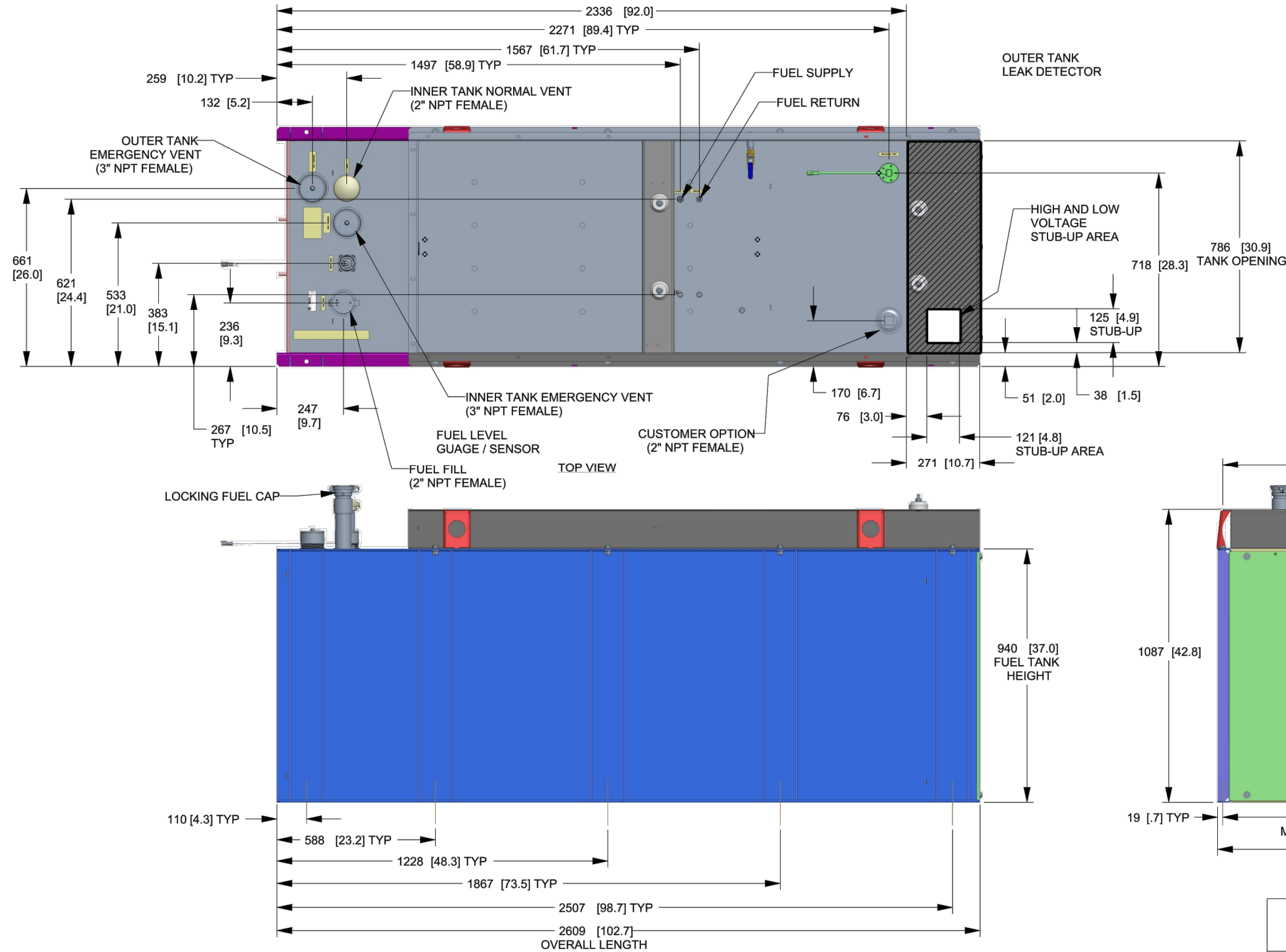
REV	DESCRIPTION	DATE
A	PRELIMINARY	03/23/21

SITE NUMBER: CTHA242A  
SITE NAME: HA242/PORTLANDHS-SST  
SITE ADDRESS:  
95 HIGH STREET  
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SHEET TITLE:  
A-3: GENERATOR SPECIFICATIONS

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SH 2/2 REV 2 WINDCHILL VERSION 2.12



FUEL TANK	
TOTAL CAPACITY	908.5 (240)
USABLE CAPACITY	866.9 (229)

CAPACITY: LITER (GALLON)  
DIMENSIONS: MM (INCH)  
TANK IS LISTED TO UL142 AND ULC5601

NOTE:  
STUB-UP AREA FOR HIGH AND LOW VOLTAGE CONNECTIONS  
CIRCUIT BREAKER, NEUTRAL AND CUSTOMER CONNECTION OPENING.

DRAWING CREATED FROM PRO/ENGINEER 3D FILE. ECO MODIFICATION TO BE APPLIED TO SOLID MODEL ONLY.

# INSTALLATION DRAWING

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ELECTRONICALLY APPROVED INSIDE WINDCHILL

**GENERAC**

TITLE  
INSTALLATION D2.2L  
25KW Y06 PD

ISSUE DATE: 5/10/18

SIZE B	CAGE NO N/A	DWG NO 10000036728	REV 2
SCALE 0.063	WT-KG	SEE ABOVE	SHEET 2 of 2

APPLICANT:  
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PROJECT MANAGER  
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PROFESSIONAL SEAL

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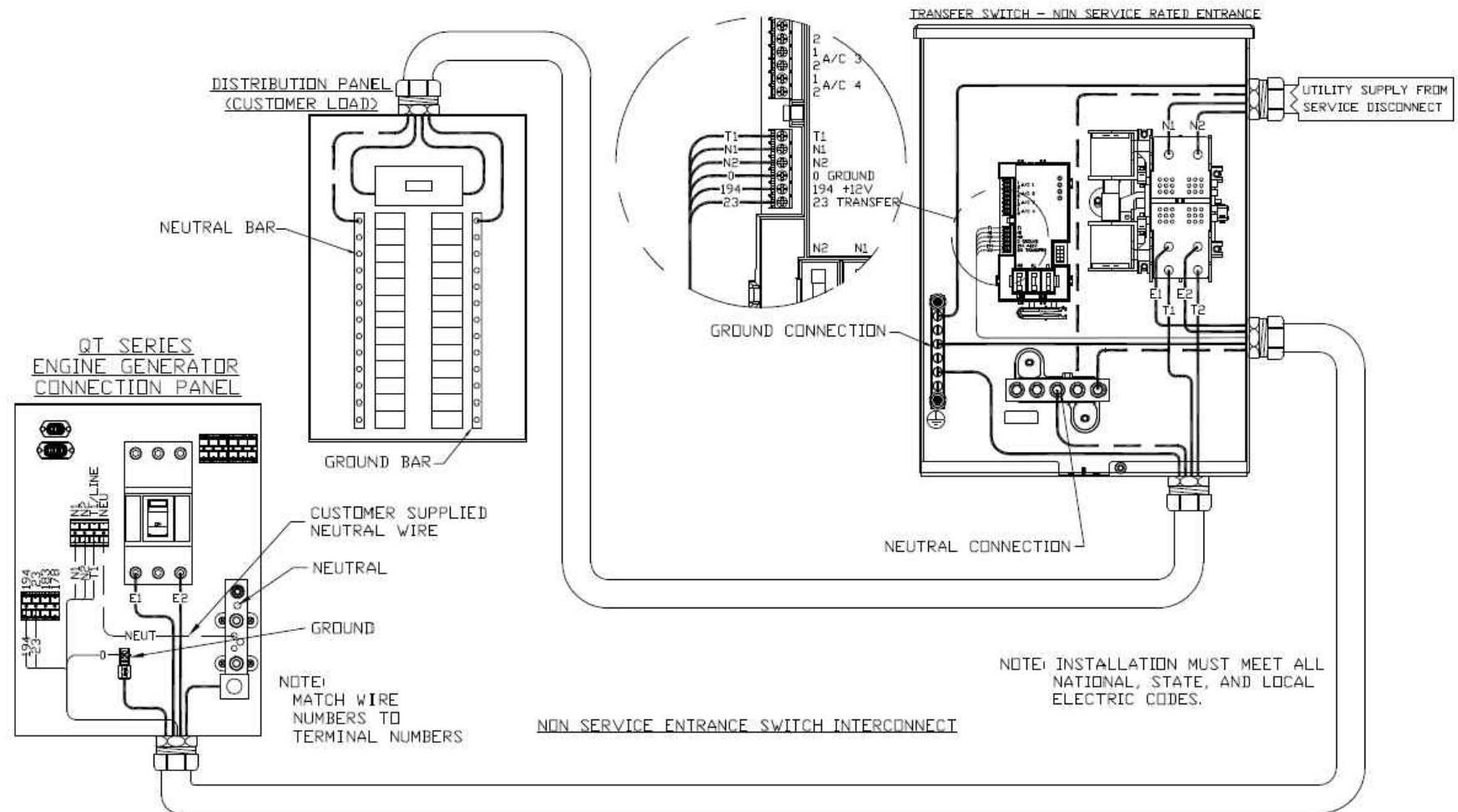
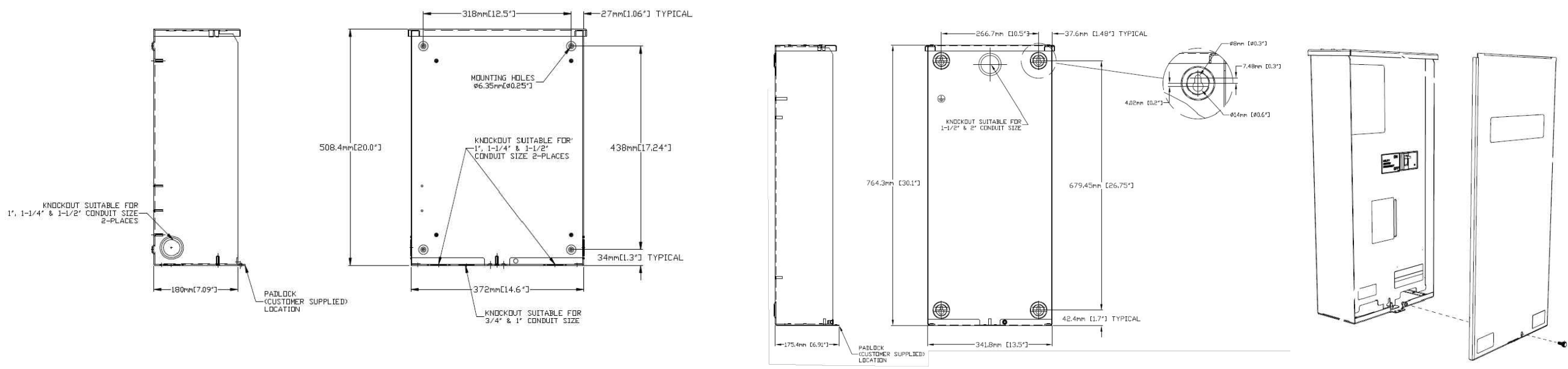
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95 HIGH STREET  
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SHEET TITLE:  
A-4: GENERATOR SPECIFICATIONS



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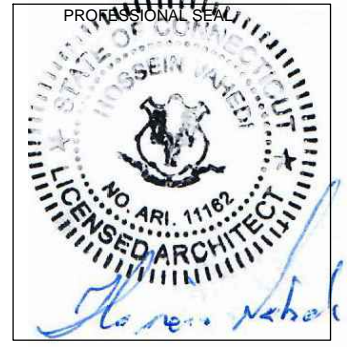


**AUTOMATIC TRANSFER SWITCH DETAILS**  
 SCALE: N.T.S. 1  
A-5

**APPLICANT:**  
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**T-MOBILE NORTHEAST LLC**  
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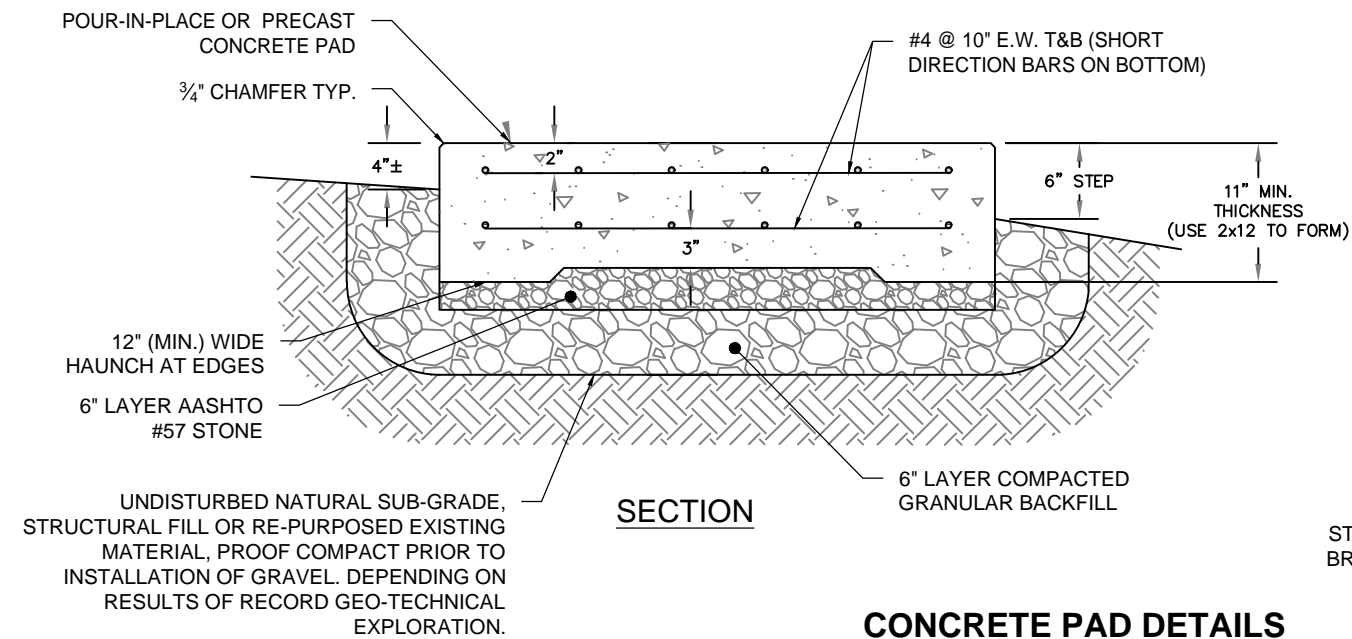
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 SITE ADDRESS:  
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SHEET TITLE:  
**A-5: AUTOMATIC TRANSFER SWITCH  
 DETAILS AND SPECIFICATIONS**

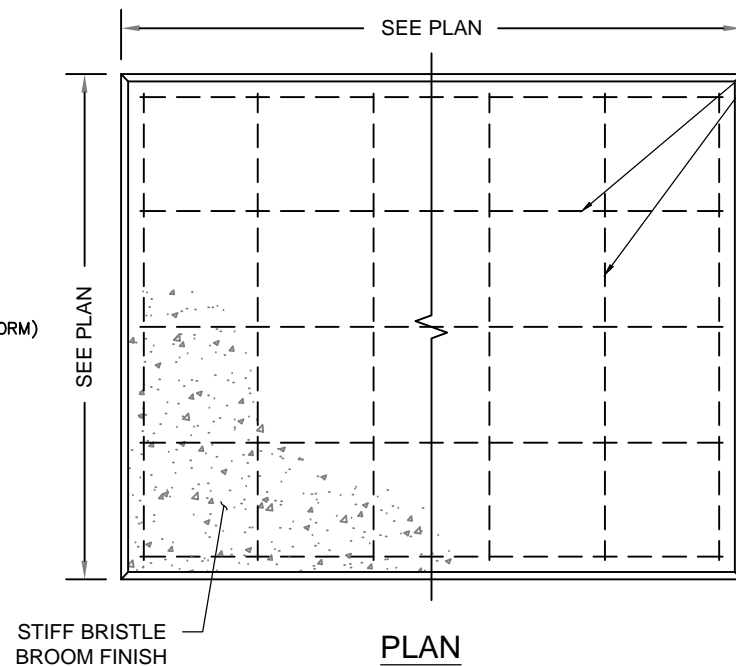
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**CONSTRUCTION NOTES:**

- (HAND-DUG UTILITY TRENCH EXCAVATION REQUIRED):
- EXISTING UNDERGROUND UTILITY LOCATIONS ARE UNKNOWN. GENERAL CONTRACTOR SHALL HAND-EXCAVATE TO REQUIRED SUB-GRADE DEPTH, SUFFICIENT TEST HOLES.
- ALL PROPOSED UNDERGROUND UTILITY TRENCHES SHALL BE HAND-EXCAVATE AS REQUIRED.
- GENERAL CONTRACTOR IS RESPONSIBLE FOR ANY REQUIRED SPECIAL TEMPORARY PROTECTION OF, PHYSICAL DAMAGE TO, OR REPAIR OF EXISTING UNDERGROUND CONDUIT INCLUDING RESTORATION OF SERVICE.



**SECTION**



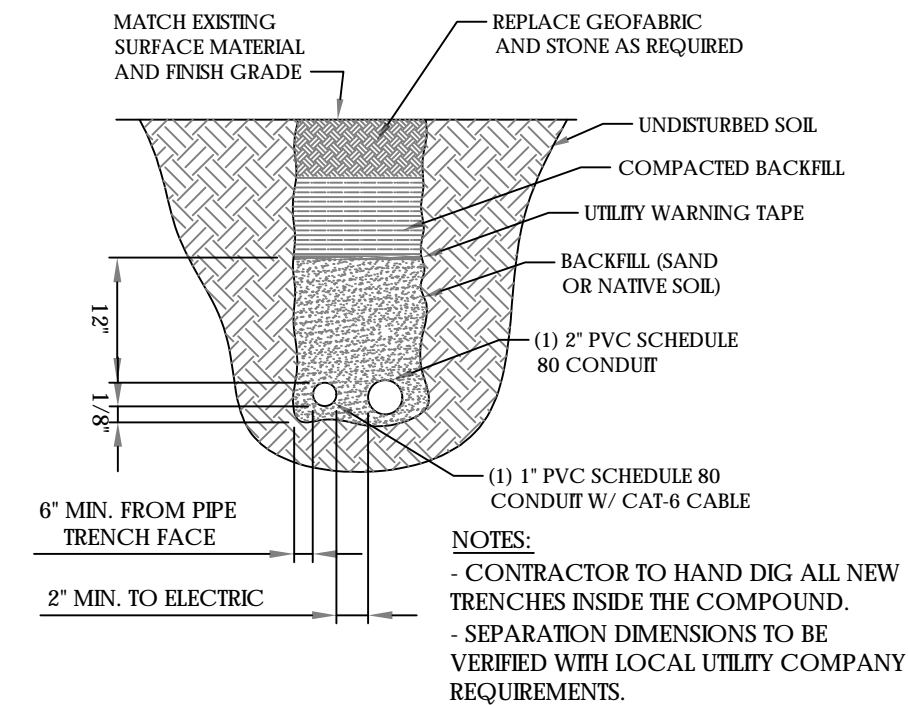
**PLAN**

**CONCRETE PAD DETAILS**  
SCALE: N.T.S.

1  
A-6

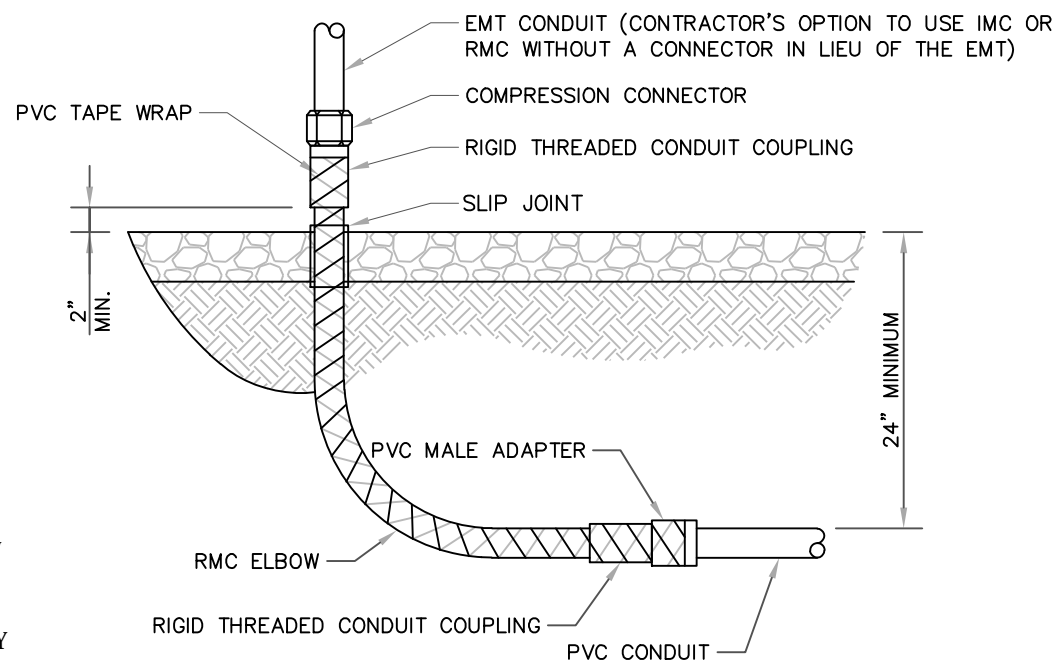
**NOTES:**

1. BEARING STRATA MEDIUM TO DENSE INSET GRANULAR MATERIAL OR COMPACTED FILL. 95% COMPACTION.
2. SUBGRADE AND FILL SHALL CONSIST OF CLEAN SOIL. NO DELETERIOUS MATERIALS OR ORGANICS TO BE USED.
3. CONCRETE FORM WORK SHALL BE CONSTRUCTED USING MINIMUM 2\"X8\" NOMINAL SIZE LUMBER. STRIP AND REMOVE UPON COMPLETION.
4. CONCRETE SHALL HAVE 4000PSI 28-DAY COMPRESSIVE STRENGTH WITH 5(±1)% AIR ENTRAINMENT, 4(±1)\"SLUMP AND BRISTLE BROOM FINISH.



**TRENCH DETAIL**  
SCALE: N.T.S.

2  
A-6



**UNDERGROUND CONDUIT STUB UP**  
SCALE: N.T.S.

ALL METAL CONDUIT INSTALLED IN DIRECT CONTACT WITH THE EARTH SHALL BE CONSIDERED TO BE INSTALLED IN A SEVERELY CORROSIVE ENVIRONMENT AND IS REQUIRED TO HAVE SUPPLEMENTAL PROTECTION AGAINST CORROSION (NEC ARTICLE 342.10(B) & 344.10(B)(1)). THIS PROTECTION SHALL EITHER BE AN APPROVED MANUFACTURER INSTALLED PROTECTIVE COATING ON THE CONDUIT OR SHALL BE (2) LAYERS OF 10 MIL PVC PIPE WRAP TAPE INSTALLED USING OPPOSING SPIRAL WRAPS. ON VERTICAL PIPE THE OUTSIDE LAYER OF TAPE SHALL BE WRAPPED SO AS TO PROVIDE SHEDDING OF WATER (i.e. TAPE SHOULD WRAP IN AN UPWARD DIRECTION WITH LOWER WRAP BEING BENEATH THE WRAP ABOVE). SPIRAL WRAPS SHALL HAVE A MINIMUM OF 1/4\" OVERLAP WITH THE PRECEDING TAPE WRAP. ANY OTHER METHODS OF CORROSION PROTECTION SHALL REQUIRE APPROVAL BY THE ENGINEER OF RECORD PRIOR TO BEING USED.

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**PROJECT MANAGER**  
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SHEET TITLE:  
A-6: CONCRETE PAD AND UNDERGROUND CONDUIT DETAILS



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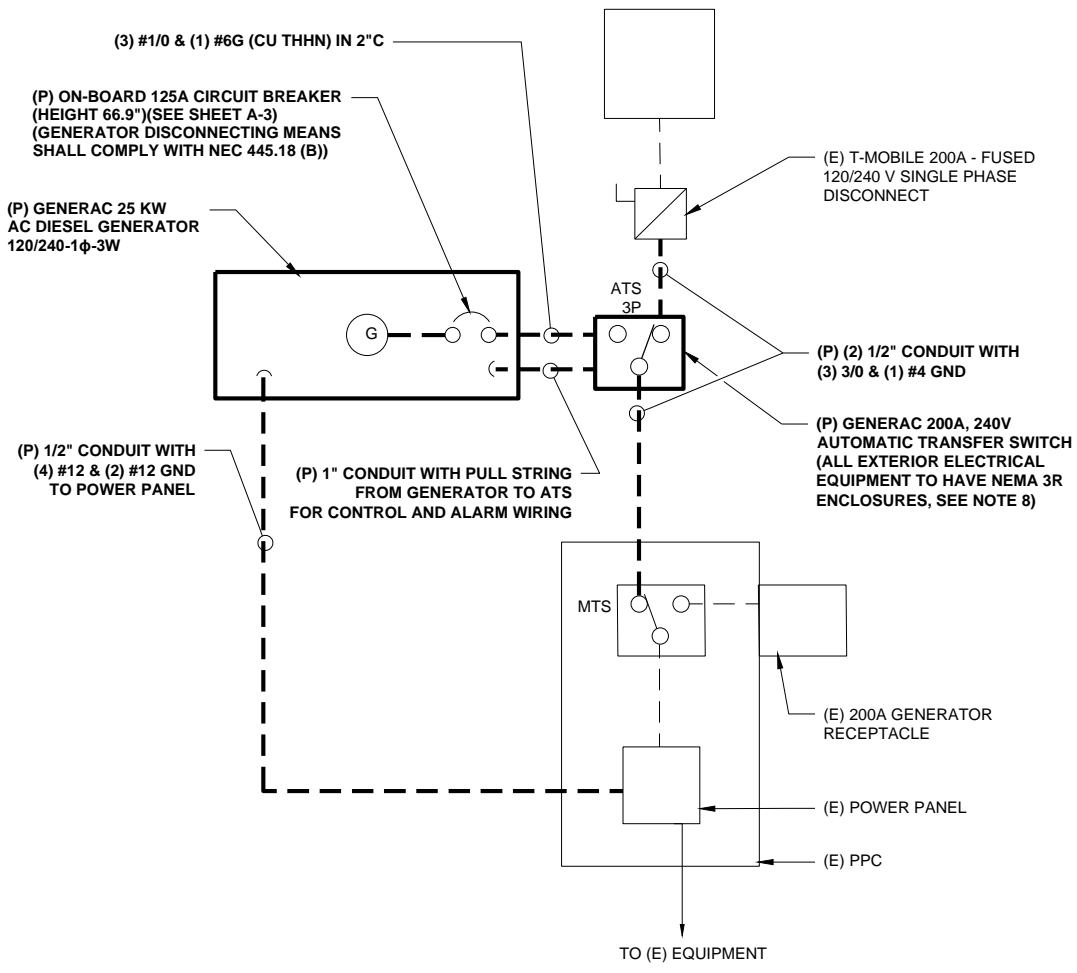
**GENERAL ELECTRICAL NOTES**

- ALL ELECTRICAL WORK SHALL CONFORM TO THE REQUIREMENTS OF THE NATIONAL ELECTRICAL CODE (NEC) AS WELL AS APPLICABLE STATE AND LOCAL CODES INCLUDING LATEST EDITIONS OF:  
 NFPA - NATIONAL FIRE PROTECTION ASSOCIATION  
 UL - UNDERWRITERS LABORATORIES  
 NEC - 2017 NATIONAL ELECTRICAL CODE NEMA - NATIONAL ELECTRIC MANUFACTURERS ASSOCIATION  
 OSHA - OCCUPATIONAL SAFETY AND HEALTH ACT  
 IBC - 2015 INTERNATIONAL BUILDING CODE
- ALL ELECTRICAL ITEMS SHALL BE U.L. APPROVED OR LISTED AND PRODUCED PER SPECIFICATION REQUIREMENTS.
- THE ELECTRICAL WORK INCLUDES ALL LABOR AND MATERIAL DESCRIBED BY DRAWINGS AND SPECIFICATION INCLUDING INCIDENTAL WORK TO PROVIDE COMPLETE OPERATING AND APPROVED ELECTRICAL SYSTEM.
- GENERAL CONTRACTOR SHALL PAY FEES FOR PERMITS, AND RESPONSIBLE FOR OBTAINING SAID PERMITS AND COORDINATION OF INSPECTIONS.
- ELECTRICAL AND TELCO WIRING OUTSIDE A BUILDING AND EXPOSED TO WEATHER SHALL BE IN WATER TIGHT GALVANIZED RIGID STEEL CONDUITS OR SCHEDULE 80 PVC (AS PERMITTED BY CODE) AND WHERE REQUIRED IN LIQUID TIGHT FLEXIBLE METAL OR NONMETALLIC CONDUITS.
- RIGID STEEL CONDUITS SHALL BE GROUNDED AT BOTH ENDS.
- ELECTRICAL WIRING SHALL BE COPPER WITH TYPE XHHW, THWN, OR THIN INSULATION.
- ALL EQUIPMENT LOCATED OUTSIDE SHALL HAVE NAME 3R ENCLOSURE.
- GROUNDING SHALL COMPLY WITH NEC ART. 250.
- GROUNDING COAX CABLE SHIELDS MINIMUM AT BOTH ENDS USING MANUFACTURERS COAX CABLE GROUNDING KITS SUPPLIED BY PROJECT OWNER.
- USE #6 COPPER STRANDED WIRE WITH GREEN COLOR INSTALLATION FOR ABOVE GRADE GROUNDING (UNLESS OTHERWISE SPECIFIED) AND #2 SOLID TINNED BARE COPPER WIRE FOR BELOW GRADE GROUNDING AS INDICATED ON THE GROUND.
- ALL GROUND CONNECTION TO BE BURNDY HYGROUND COMPRESSION TYPE CONNECTORS OR CADWELD EXOTHERMIC WELD. DO NOT ALLOW BARE COPPER WIRE TO BE IN CONTACT WITH GALVANIZED STEEL.
- ROUTE GROUNDING CONDUCTORS ALONG THE SHORTEST AND STRAIGHTEST PATH POSSIBLE, EXCEPT AS OTHERWISE INDICATED. GROUNDING LEADS SHOULD NEVER BE BENT AS RIGHT ANGLE. ALWAYS MAKE AT LEAST 12" RADIUS BENDS. #6 WIRE CAN BE BENT AT 6" RADIUS WHEN NECESSARY BOND ANY METER OBJECTS WITHIN 7 FEET OF PROPOSED EQUIPMENT OR CABINET TO MASTER GROUND BAR.
- CONNECTIONS TO MGB SHALL BE ARRANGED IN THREE MAIN GROUPS: SURGE PROCEDURES (COAXIAL CABLE GROUND KITS, TELCO AND POWER PANEL GROUND); (GROUNDING ELECTRODE RING OR BUILDING STEEL); NON-SURGING OBJECTS (EGB GROUND IN RBS UNIT).
- CONNECTIONS TO GROUND BARS SHALL BE MADE WITH TWO HOLE COMPRESSION TYPE COPPER LUGS. APPLY OXIDE INHIBITING COMPOUND TO ALL LOCATIONS.
- APPLY OXIDE INHIBITING COMPOUND TO ALL COMPRESSION TYPE GROUND CONNECTION.
- TEST COMPLETED GROUND SYSTEM AND RECORD RESULTS FOR PROJECT CLOSE-OUT DOCUMENTATION.
- BOND ANY METAL OBJECTS WITHIN 7 FEET OF PROPOSED EQUIPMENT OR CABINET TO MASTER GROUND BAR.
- VERIFY PROPOSED SERVICE UPGRADE WITH LOCAL UTILITY COMPANY PRIOR TO CONSTRUCTION.
- EXISTING UNDERGROUND UTILITY LOCATIONS ARE UNKNOWN. GENERAL CONTRACTOR SHALL HAND-EXCAVATE TO REQUIRED SUB-GRADE DEPTH, SUFFICIENT TEST HOLES OR AS DIRECTED / REQUIRED BY CONSTRUCTION MANAGER. ALL PROPOSED UNDERGROUND UTILITY TRENCHES SHALL BE HAND-EXCAVATE AS REQUIRED. GENERAL CONTRACTOR IS RESPONSIBLE FOR ANY REQUIRED SPECIAL TEMPORARY PROTECTION OF, PHYSICAL DAMAGE TO, OR REPAIR OF EXISTING UNDERGROUND CONDUIT INCLUDING RESTORATION OF SERVICE.
- PROVIDE SLIP JOINS WHERE CONDUITS TRANSITION FROM UNDERGROUND TO ABOVE GROUND.

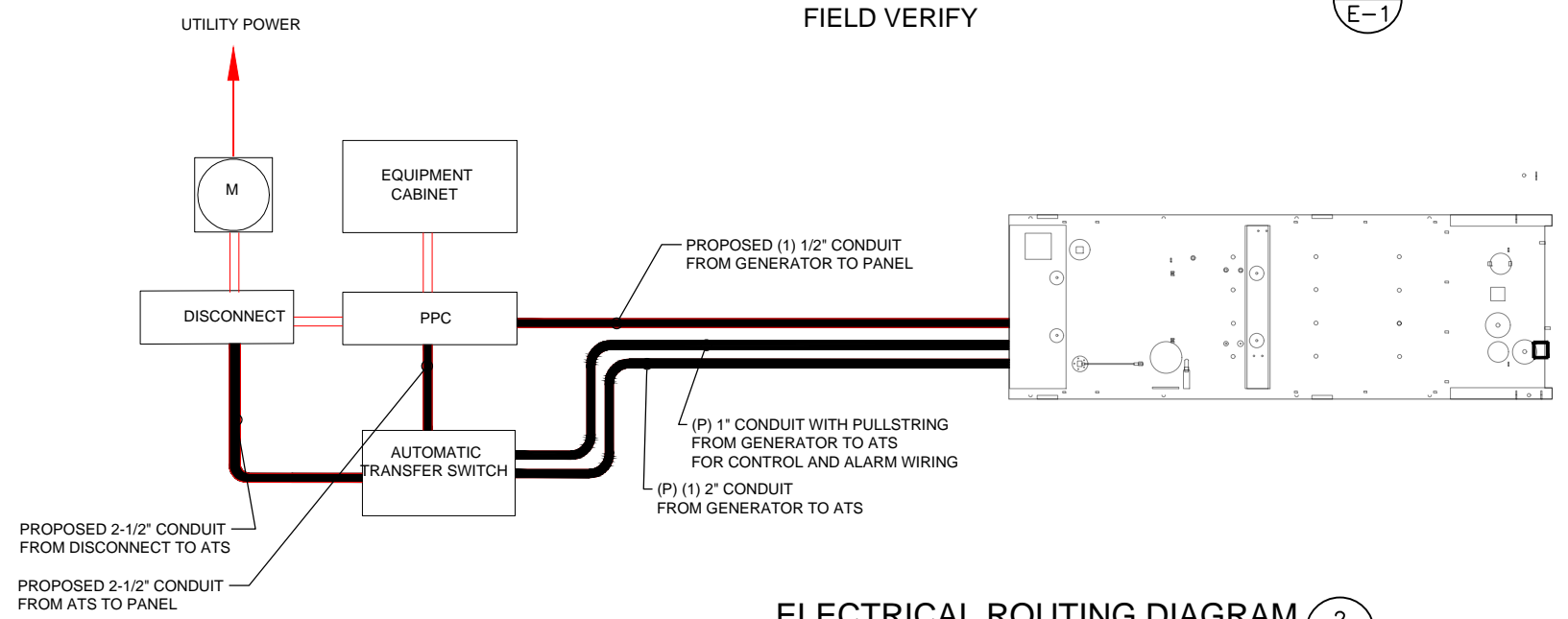
**NOTES:**  
 DIAGRAM AS SHOWN, IS A GENERIC ROUTING SCHEMATIC BASED ON AVAILABLE INFORMATION AND MAY NOT REPRESENT ACTUAL FIELD CONDITIONS. CONTRACTOR SHOULD INSTALL THE GENERATOR, EQUIPMENT AND CONNECTIONS BASED ON VERIFIED ELECTRICAL AUDITS AND PER MANUFACTURER'S INSTALLATION GUIDELINES AS WELL AS ALL APPLICABLE LOCAL AND NATIONAL CODES AND REQUIREMENTS.

**GROUNDING NOTES:**

- GROUNDING SHALL COMPLY WITH NEC ART. 250 AND MANUFACTURER'S RECOMMENDATIONS. TIE INTO THE EXISTING GROUNDING SYSTEM.
- CONTRACTOR SHALL INSTALL GROUND RODS ON ALL UNDERGROUND GROUNDING RUNS LONGER THAN 10'. GROUND RODS WILL BE INSTALLED ON 20' CENTERS MAXIMUM.
- ALL DOWN CONDUCTORS MUST GO DOWN PER NFPA 780.
- CONTRACTOR SHALL NOTIFY THE CONSTRUCTION MANAGER WHEN THE GROUNDING SYSTEM IS COMPLETE. THE CONSTRUCTION MANAGER SHALL INSPECT THE GROUNDING SYSTEM PRIOR TO BACKFILLING.
- CONTRACTOR MY USE EXISTING CONDUITS AND CONDUCTORS PROVIDED THEY ARE IN GOOD CONDITION AND ARE SUFFICIENTLY RATED.



**TYP. ONE LINE DIAGRAM**  
 FIELD VERIFY 1  
E-1



**ELECTRICAL ROUTING DIAGRAM**  
 SCALE: N.T.S 2  
E-1

**APPLICANT:**  
**T-Mobile**  
**T-MOBILE NORTHEAST LLC**  
 35 GRIFFIN ROAD SOUTH  
 BLOOMFIELD, CT 06002  
 860-692-7100

**PROJECT MANAGER**  
 NORTHEAST SITE SOLUTIONS  
 Turnkey Wireless Development  
 420 MAIN STREET, BLDG 4  
 STURBRIDGE, MA 01566  
 203-275-6669

**CONSULTANT:**  
**FORESITE** LLC  
 Architects . Engineers . Surveyors  
 462 WALNUT STREET  
 NEWTON, MA 02460  
 617-212-3123

PROFESSIONAL SEAL  
 STATE OF MASSACHUSETTS  
 REGISTERED PROFESSIONAL ARCHITECT  
 NO. ARI 11162  
 Licensed Architect

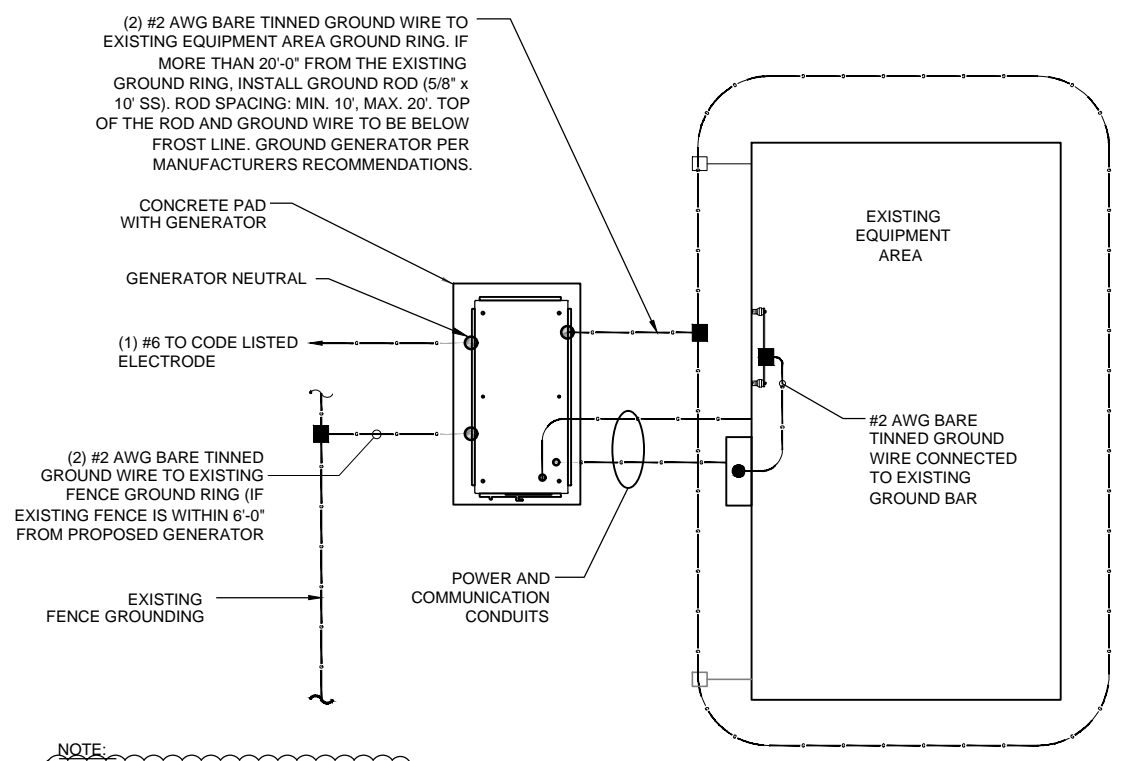
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REV	DESCRIPTION	DATE
A	PRELIMINARY	03/23/21

SITE NUMBER: CTHA242A  
 SITE NAME: HA242/PORTLANDHS-SST  
 SITE ADDRESS:  
 95 HIGH STREET  
 PORTLAND, CT 06480

SHEET TITLE:  
 E-1: ELECTRICAL DETAILS

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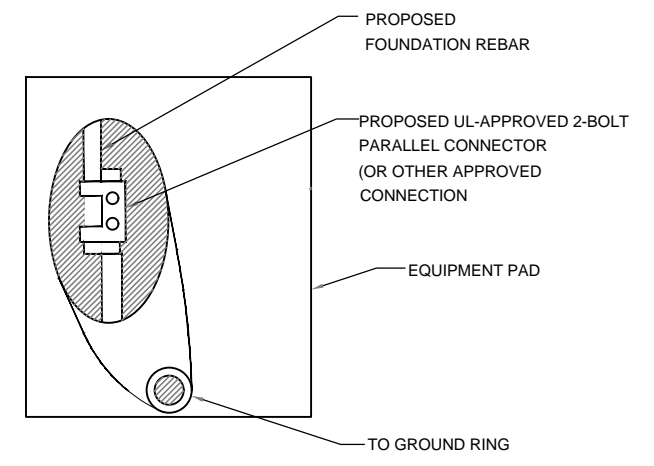
**NOTE:**  
 1- PROVIDE GENERATOR NEUTRAL GROUND AS A SEPARATELY- DERIVED SYSTEM PER NEC / NFPA 70 - 250.30A.  
 2- FOR ACTUAL ORIENTATION OF GENERATOR, PAD, FENCE, TOWER & UNDER GROUND POWER/TELCO SEE PAGE A-1.

**NOTE:**  
 VERIFY QTY., LENGTH, TYPE & CONFIGURATION OF GROUND RODS TO ENSURE SYSTEM PROVIDES GROUND RESISTANCE OF 5 OHMS OR LESS

**GROUND PLAN** 1  
 NTS G-1

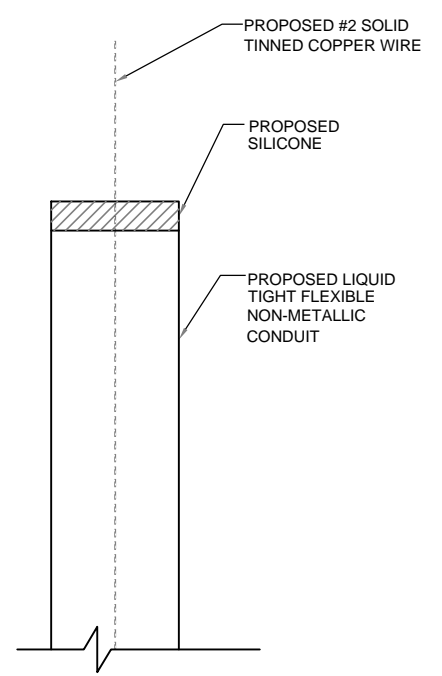
**NOTES:**

1. CONNECTION SHALL BE COVERED BY NO LESS THAN 2" OF CONCRETE.
2. ATTEMPT TO MAKE CONNECTION TO A 6'-0" RUN OF REBAR OR GREATER.
3. APPLY HEAT SHRINK OR ELECTRICAL TAPE AROUND THE CONDUCTOR TO AVOID CORROSION.



**EQUIPMENT PAD GROUNDING** 2  
 NTS G-1

**NOTE:**  
 CONTRACTOR TO USE CLEAR OR GRAY SILICONE AS NECESSARY TO SEAL LIQUID TIGHT FLEXIBLE NON-METALLIC CONDUIT.



**GROUND WIRE WEATHERPROOFING** 3  
 NTS G-1

**APPLICANT:**  
**T-Mobile**  
**T-MOBILE NORTHEAST LLC**  
 35 GRIFFIN ROAD SOUTH  
 BLOOMFIELD, CT 06002  
 860-692-7100

**PROJECT MANAGER**  
  
 420 MAIN STREET, BLDG 4  
 STURBRIDGE, MA 01566  
 203-275-6669

**CONSULTANT:**  
**FORESITE** LLC  
 Architects . Engineers . Surveyors  
 462 WALNUT STREET  
 NEWTON, MA 02460  
 617-212-3123

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REV	DESCRIPTION	DATE
A	PRELIMINARY	03/23/21

SITE NUMBER: CTHA242A  
 SITE NAME: HA242/PORTLANDHS-SST  
 SITE ADDRESS:  
 95 HIGH STREET  
 PORTLAND, CT 06480

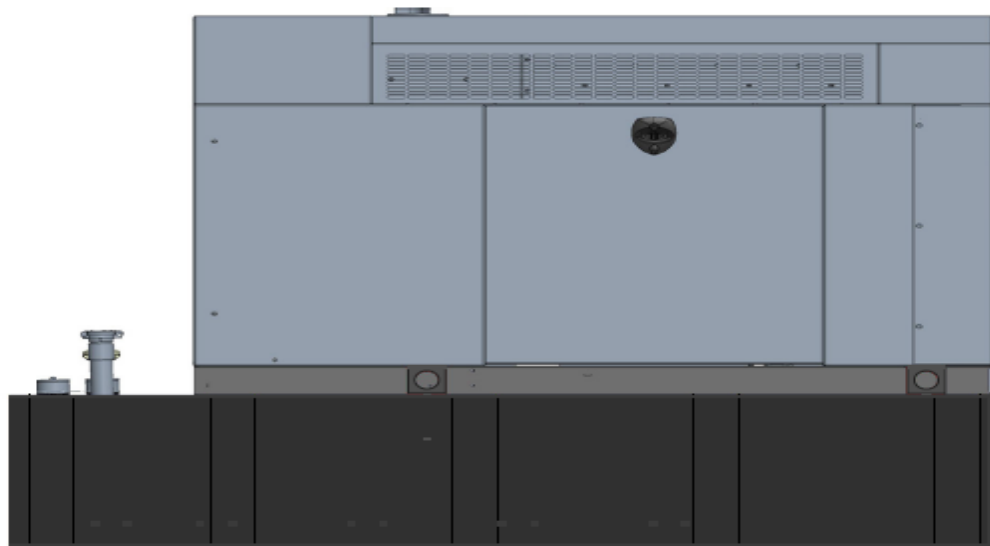
SHEET TITLE:  
 G-1: GROUNDING DETAILS



# Exhibit D

# Generac RD025 Design Document

Diesel, AC, 25kW External Fill Tank Model#7192-0 SKU#33651



The following are responsible for this project document:

Kevin Smith

SR. Engineer (770) 256-3594

Project Design Spec Revision	1.0	Last Date:08/23/2018	5/14/2018
Final doc URL (~Dnnnnn):			
Location	Use the InfoRouter Search (Advanced) putting the Document ID (nnnnn without the D) to find the location of the master document.		
Template URL:	<a href="http://docs.eng.t-mobile.com/InfoRouter/docs/~D423750">http://docs.eng.t-mobile.com/InfoRouter/docs/~D423750</a> Slightly updated 1/2011		

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1.2	Feature Description	3
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<b>2</b>	<b>Fuel Tanks.....</b>	<b>4</b>
<b>3</b>	<b>RXSC200A3 ATS/ Controller .....</b>	<b>4</b>
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# 1 Introduction / Project Summary

## 1.1 Purpose of Project

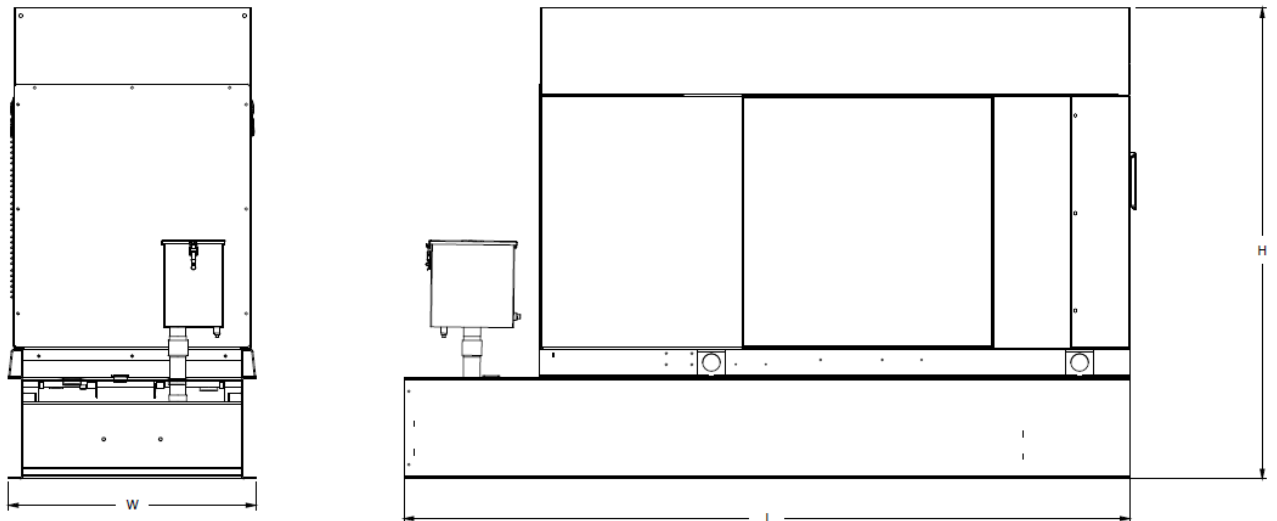
T-Mobile’s nationwide cell site hardening plan is providing a refuellable backup power system capable of powering a site for a minimum of 48 hours before refueling is required. The purpose of this project is to give T-Mobile customers reliable service during power outages and provide a sufficient layer of coverage. This design document is for Generac’s RD025 model#7192-0, which is a Diesel AC generator with a capacity of 25kW.

## 1.2 Feature Description

The Generac RD025 is a 25kW AC, diesel generator is one of the generators selected as part of the T-Mobile RFP in support of the nationwide cell site hardening plan. The RD025 has a Level 2 acoustic enclosure, 3 phase sensing, and +/-0.25% digital voltage regulation. It is equipped with RS232, RS485 and canbus remote ports and Evolution control panel. It is also equipped with a automatic transfer switch, the RXSC200A3 (Automatic Transfer Switch) Controls the process of transferring commercial AC power and generator power. The RXSC200A3 is a 200Amp, switch that is programmed to perform engine test runs and also has adjustable engine run time capabilities. For RXSC200A3 Owners Manual and full feature descriptions [LINK](#).

## 1.3 Dimensions

The dimensions of a level 2 Acoustic Enclosure L x W x H in inches 103.4 x 35 x 91.7. T-Mobile requires a 36-inch radius around the generator that will cover the 18” door swing on the generator.

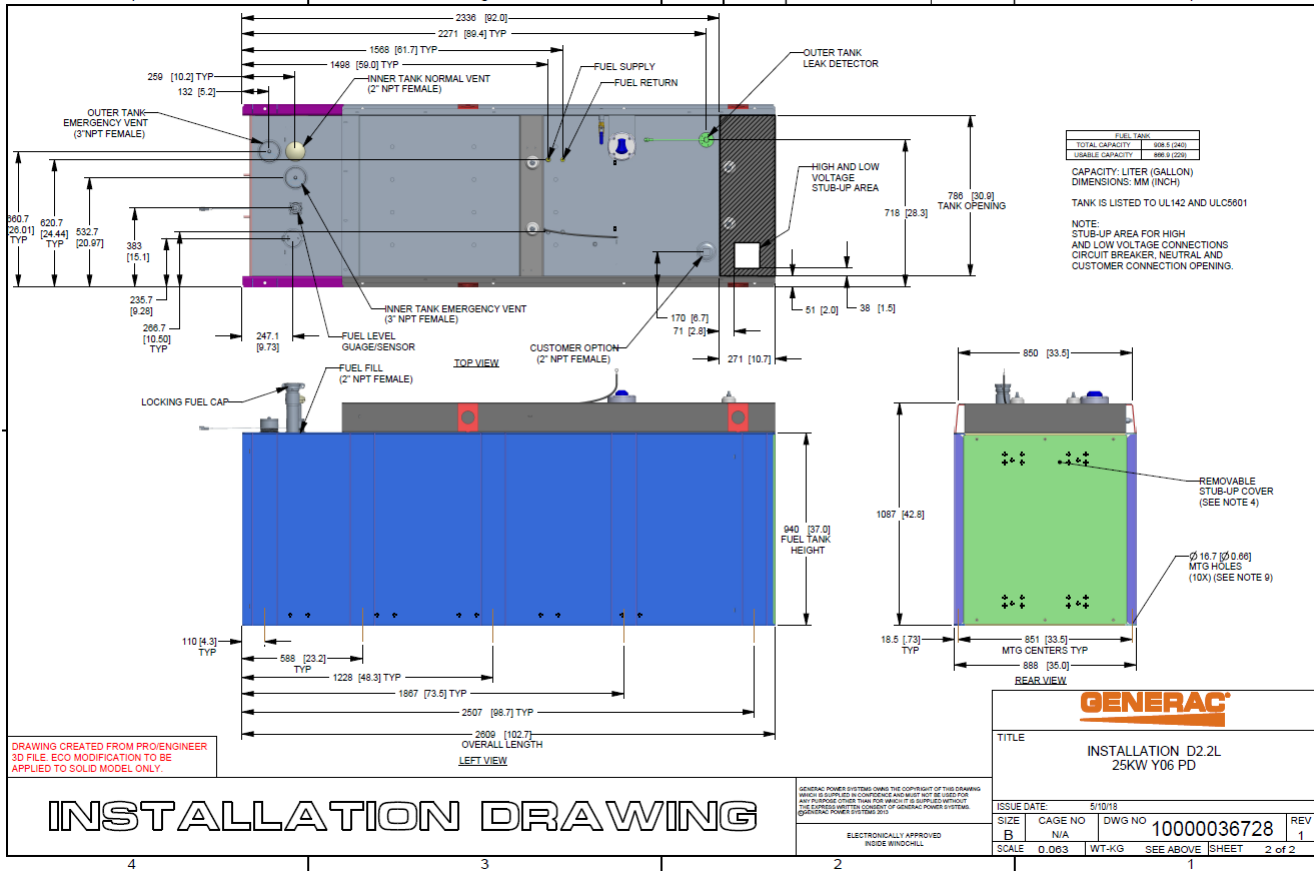


Weights and Dimensions

Unit Weight - lbs	Unit Weight with Skid - lbs	Dimensions (L x W x H) - in
2,123	2,161	103.4 x 35.0 x 73.8

## 2 Fuel Tanks

The RD025 has a 102.7" 240 Gallon Double-Wall UL142 Base tank to provide 98 hours of backup power at full load deployed on site. Below is the Install drawing for the 240-gallon tank for the RD025kW.



## 3 RXSC200A3 ATS/ Controller

### 3.1 Hardware

The RD025 will come with a RXSC200A3 and an Evollution controller. The sites considered for the RD025 should not have a DC power consumption above 20kW

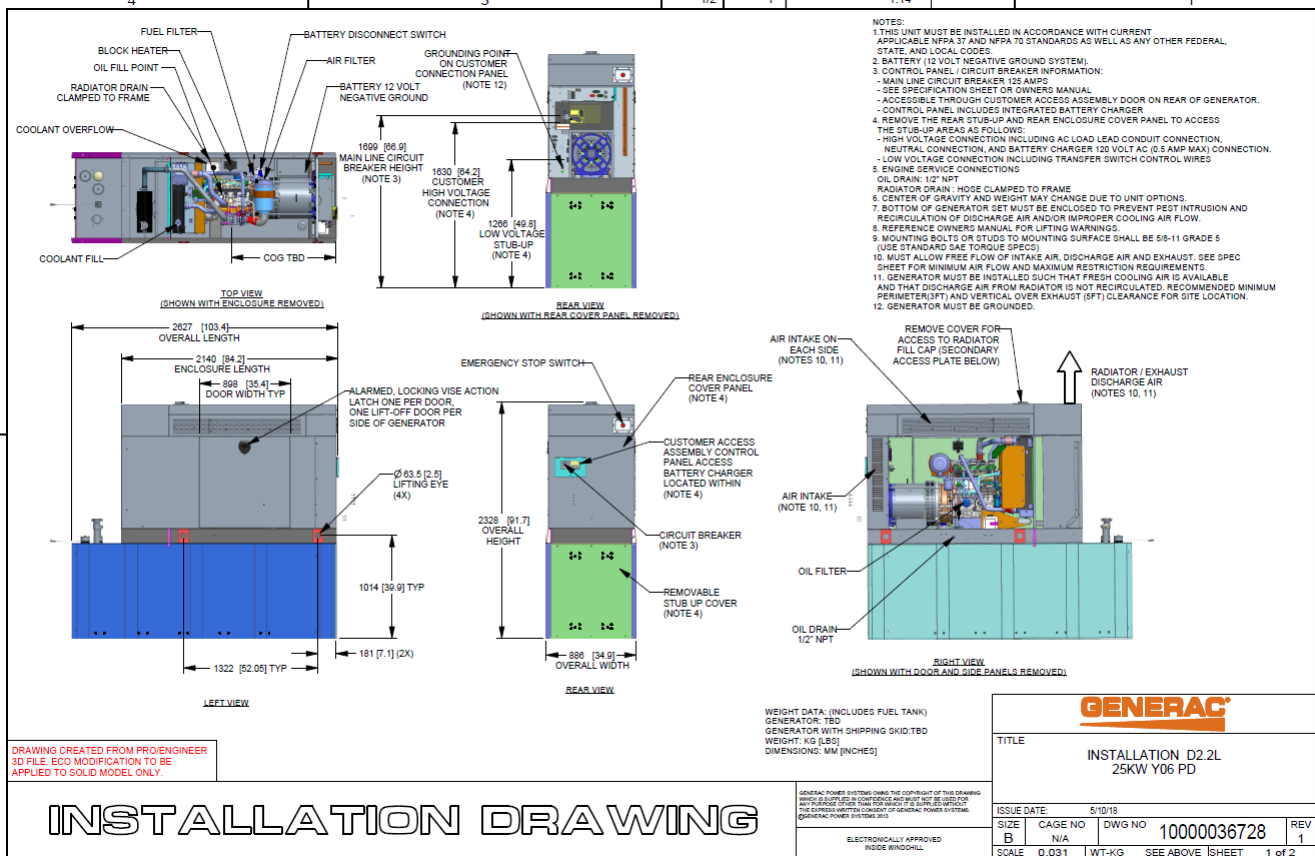


RXSC200A3 [Link](#)

RXSC200A3 install drawing [Link](#)

Evolution controller spec sheet [Link](#)

RD025 installation drawings and supporting documentation [Link](#)

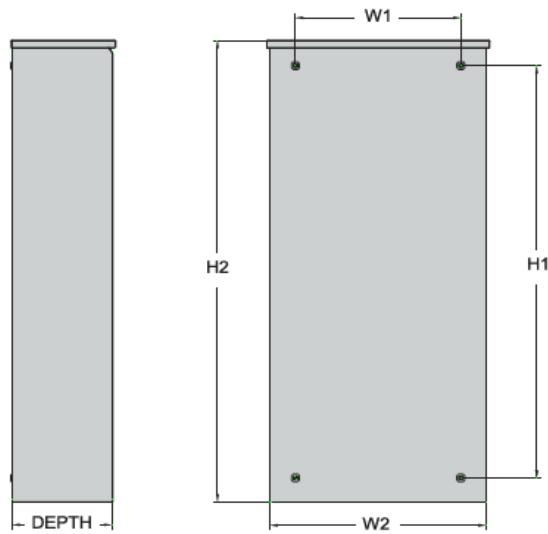


### 3.2 RXSC200A3 Automatic Transfer Switch

The RXSC200A3 (Automatic Transfer Switch) is equipped with the following functions. Utility voltage drop-out <65%. Timer to Generator start: 10 second factory set, adjustable between 2-1500 seconds. Engine Warm up delay: 5 seconds. Standby Voltage Sensor: 65% for 5 seconds. Utility Voltage Pickup >80%. Re-Transfer Time Delay: 15 seconds. Engine Cool-Down Timer: 60 seconds. Exerciser: 5 or 12 minute adjustable weekly/by-weekly/monthly. The transfer switch can also be operated manually without power applied

**RXSC200A3 Dimensions**

Model		RXSC200A3
Height (in./mm)	H1	17.24/437.9
	H2	20/508
Width (in./mm)	W1	12.5/317.5
	W2	14.6/370.8
Depth (in./mm)		7.09/180.1
Weight (lbs./kilos)		20/9.07



## 4 Architecture/Alarms

### 4.1 Interfaces and Alarming

The generator will be monitored by external alarms, conduit and cat five cables have to be installed from the Evolution Controllers Low Voltage Box located in the Generac generator to the appropriate cell site equipment. Nokia FSEB or FSEE and in Ericsson the SAU.

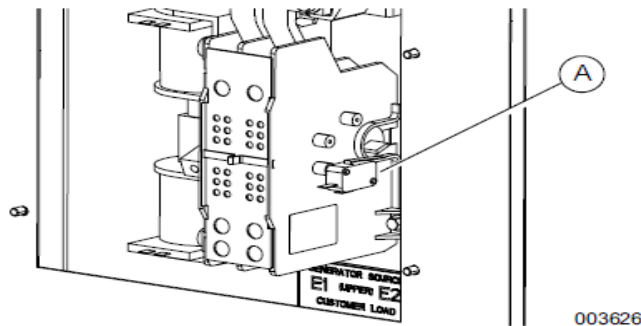
At a Nokia site, this connection is at the FSEB or an FSEE module. For the wiring diagram and instructions for the FSEB click the [Link](#). (The FSEE is the Nokia module that will be replacing the FSEB. For details on the FSEE contact: HQNokiaCellsiteDesigns@T-Mobile.com)

Ericsson sites will connect to the SAU module via OVP Expansion Kit for 8 External Alarms. Product number: UTOVP-ALM8EXP. For the wiring diagram and instructions for this click the [link](#).

The RXSC200A3 has auxiliary contacts that will facilitate the *ATS in Emergency position* alarm and will be a Normally Closed contact. Below is the wiring schematic for this contact and it can be found in the RXSC200A3 owners manual.

#### Auxiliary Contact

See [Figure 3-4](#). If desired, there is one normally-closed Auxiliary Contact (A) on the transfer switch to operate customer accessories, remote advisory lights, or remote annunciator devices. A suitable power source must be connected to the common terminal. If needed, an extra auxiliary contact can be added.



**Figure 3-4. Auxiliary Contact**

The auxiliary contact is normally closed when the transfer switch is in utility mode. The contacts will open when the transfer switch is in the standby power mode.

**NOTE:** Auxiliary Contact is rated 10 amps at 125 or 250 volts AC, and 0.6 amps at 125 volts DC.

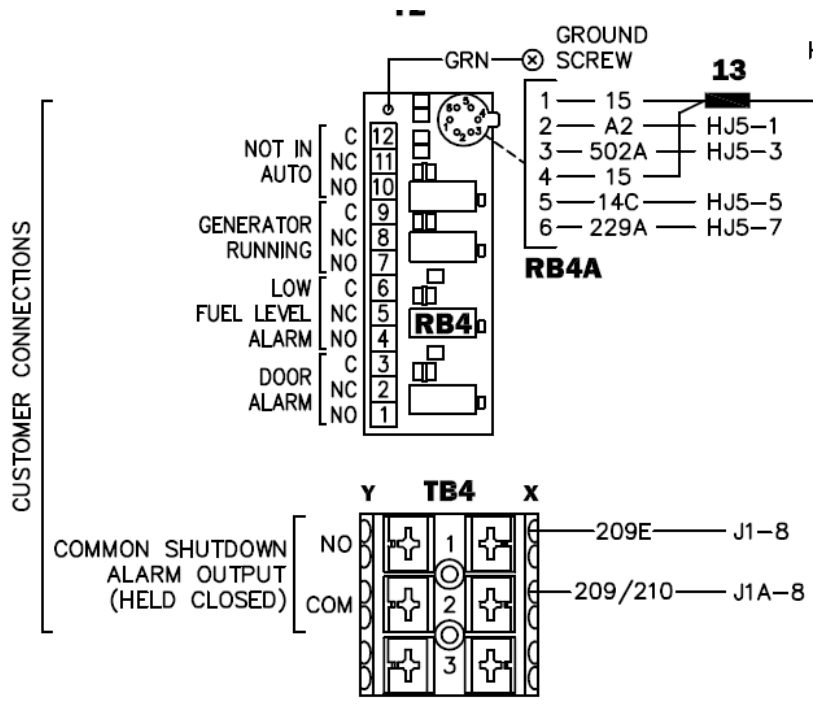
**CAUTION**

Equipment damage. Exceeding rated voltage and current will damage the auxiliary contacts. Verify that voltage and current are within specification before energizing this equipment.

(000134a)

T-Mobile has four relays available from the Generac controller that are user-defined. T-Mobile can have four-alarm categories and a limitless number of subcategories. T-Mobile will utilize Normally Closed (NC) dry contacts for alarms in Low Voltage Connection box in the spare outputs section. Ericsson cabinets need to be equipped with the alarm expansion kit (UTOVP-ALM8EXP) to handle external alarms.

Customer Connections Inside the RD025



Ericsson UTOVP- ALM8EXP



UTOVP-ALM8EXP	OVP Expansion Kit for 8 External Alarms	Qty
<b>Product no</b>	<b>Denomination</b>	
UTOVP-ALM8EXP	OVP Expansion Kit for 8 External Alarms	1
NFD30234/08	OVERVOLTAGE ARRESTER/OVP-ALM 8	1
RPM777143/01200	CABLE WITH CONNECTOR/SIGNAL CABLE	2



Evolution Controller Customer Connections	Nokia FSEB Alarm Connections 13-24	T-Mobile Standard Alarms
NC#8-Gen Running	NC 4110 grd 4111 pin 13	Generator Running
NC#11-Not In Auto	NC 4110 grd 4111 pin 14	Generator Alarm Critical
NC#2-Door Alarm	NC 4110 grd 4111 pin 15	Generator Alarm NSI
NC#5-Low Fuel	NC 4110 grd 4111 pin 16	Low Fuel
RXSC200A3-Auxiliary Contacts	NC 4110 grd 4111 pin 17	ATS in Emergency Position

Evolution Controller Customer Connections	Ericsson Alarm 8expConnections	T-Mobile Standard Alarms
NC#8- Gen. Running	NC - A5	Generator Running
NC#11-Not In Auto	NC - A6	Generator Alarm Critical
NC#2-Door Alarm	NC - A7	Generator Alarm NSI
NC#5-Low Fuel	NC - A8	Low Fuel
RXSC200A3-Auxiliary Contacts	NC - A9	ATS in Emergency Position

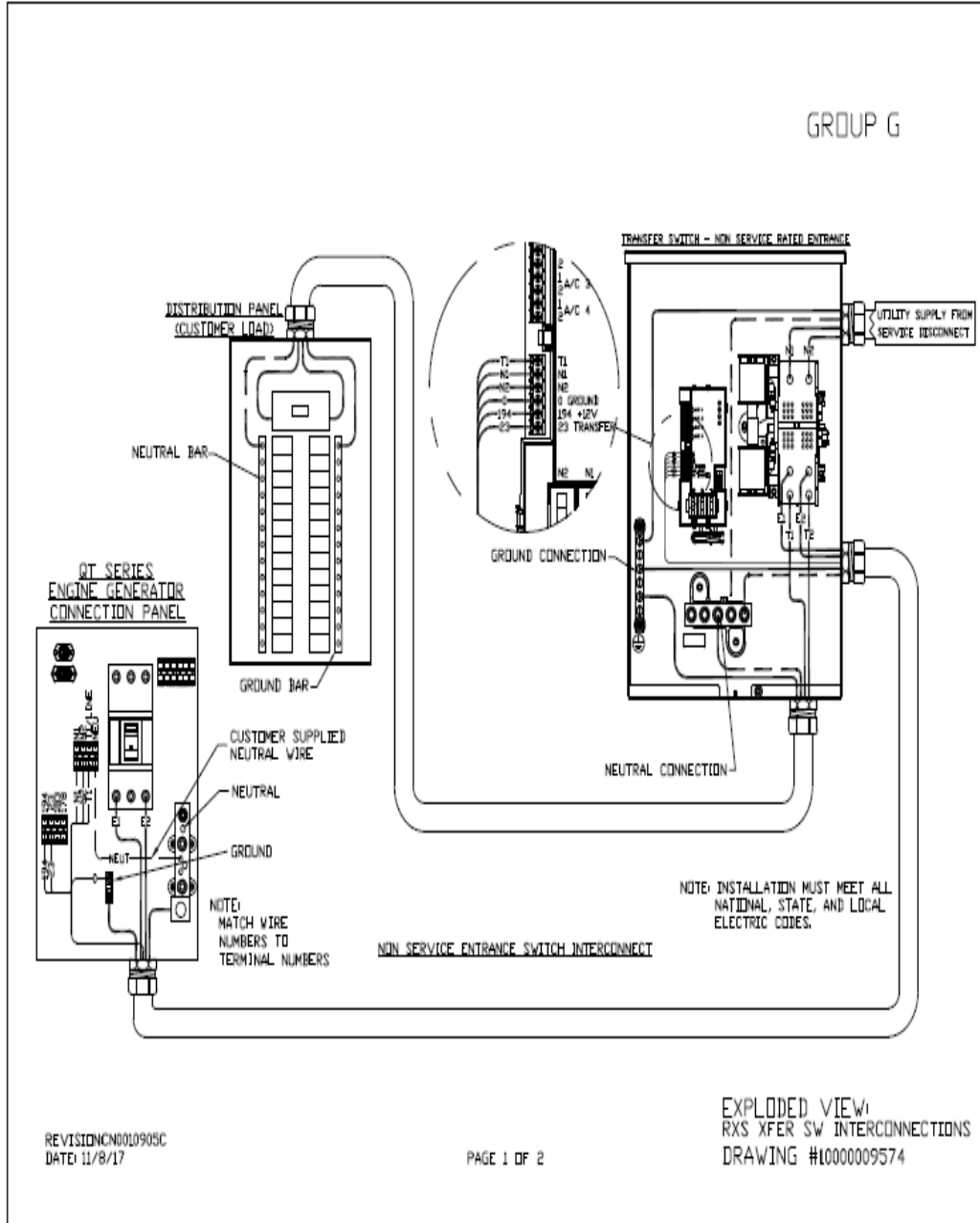
## 5 Regulatory Requirements

Level 2 Acoustic Enclosure provides a noise level of 67.5dBA. It is EPA certified and meets NFPA 99 and 110 requirements(NFPA National Fire Protection Association). The RD025 generator engines is a tier 4 engine and meets the EPA final standards.

## 6 Configuration/Diagrams

The physical configuration of the Generator and the RXSC200A3 is, ATS before the PPC to ensure overcurrent protection when commercial power is restored. The RD025 and the RXSC200A3 has to be wired to Commercial AC power.

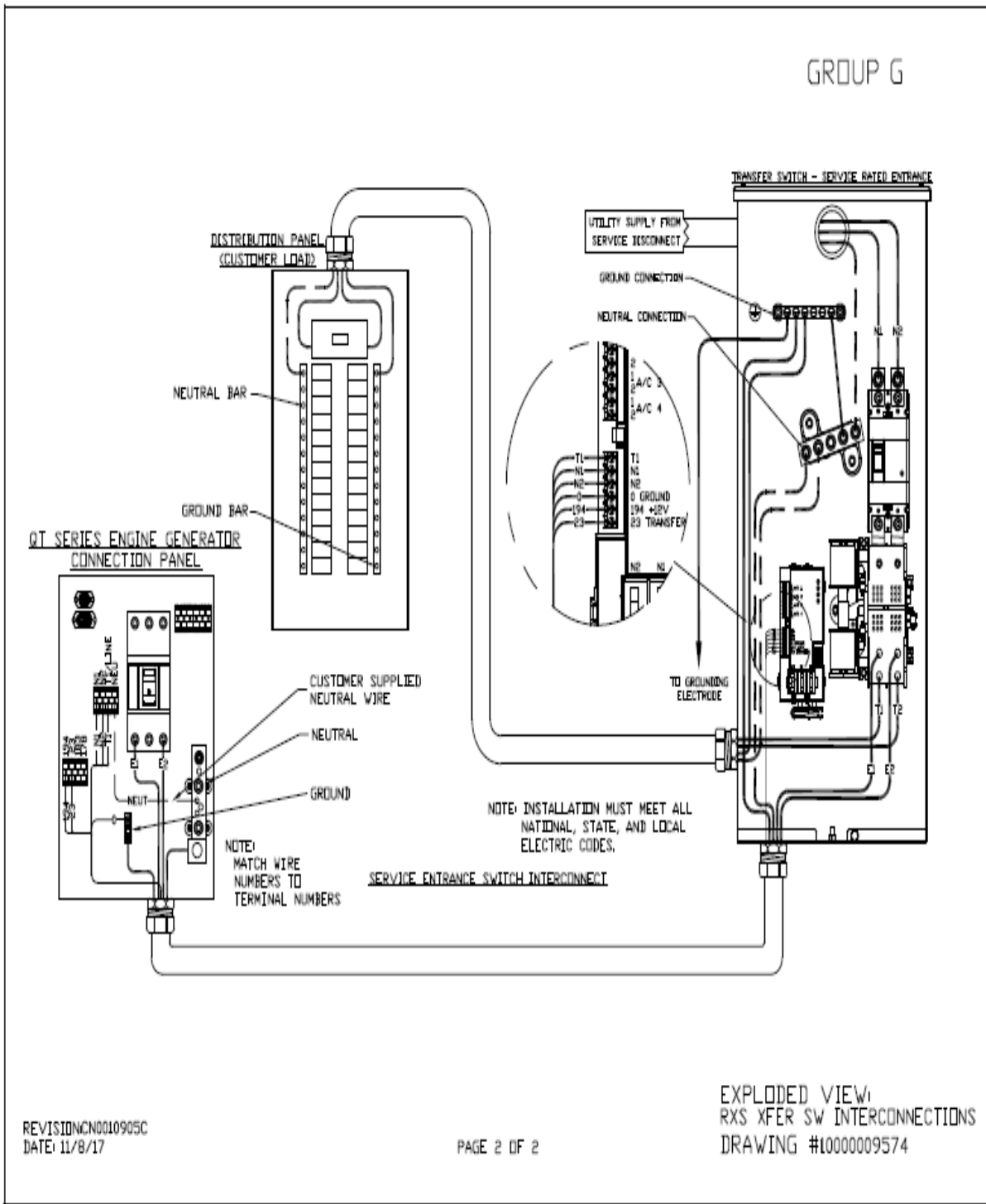
Commercial Power Connection Points  
On The RXSC200A3



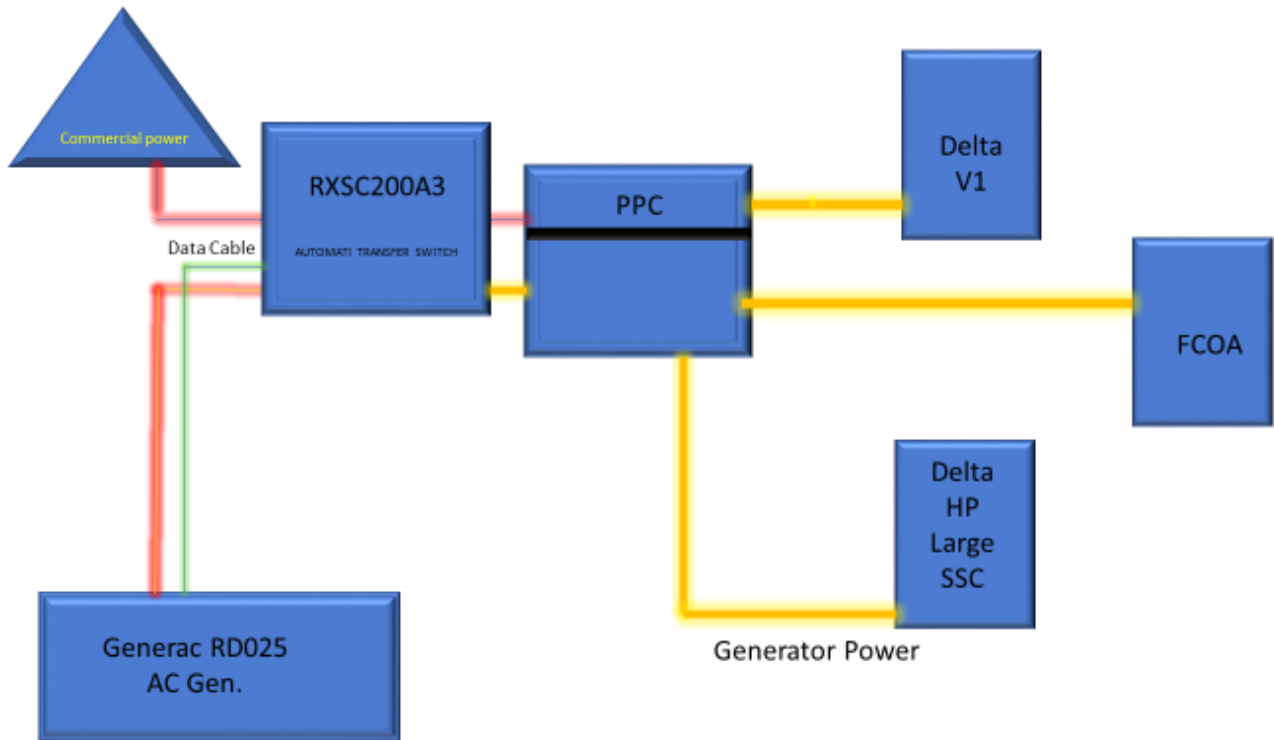
REVISIONC0010905C  
 DATE: 11/8/17

PAGE 1 OF 2

EXPLODED VIEW:  
 RXS XFER SW INTERCONNECTIONS  
 DRAWING #10000009574



### Compound Diagram:





## 7 Maintenance

---

T-Mobile is recommending preventive maintenance to be performed every 250 hours of run-time or every 12 months, whichever comes first.


T-Mobile requires this minimum service checklist for the generator engine:

- Check engine mounts and support. Tighten fasteners.
- Check all the engine hoses and clamps for proper fit, and any signs of cracking and fatigue from wear.
- Inspect all belts for signs of cracking and fatigue from wear and adjust for proper tension.
- Inspect the exhaust system for leaks, burns and wet stacking. Drain exhaust line and tighten any clamps and flange bolts.
- Inspect silencer and plumbing for leaks, cracks or any other signs of wear.
- Inspect the system for fuel, oil and coolant leaks and signs of corrosion.
- Replace water separator.
- Replace water filter/ conditioner.
- Check Anti-Freeze (Spector-Analysis).
- Check coolant level and add, if needed.
- Inspect radiator mounting for signs or wear and cracking.
- Inspect/ clean air filter and change per manufacturer specifications.
- Inspect air intakes and outlets and tighten clamps and brackets, if applicable.
- Replace fuel filter.
- Inspect the carburetor fuel injection system, fuel injection pump and choke, if equipped. Adjust to manufacturers specifications.
- Change engine oil, oil filter and record the date on the filter casing.
- Check engine heater operation, if equipped.
- Check and adjust the battery charger operations, and charge rate within the manufacturer's recommended operating specifications.

- Inspect the battery housing, hardware connections, and cables for corrosion and wear.
- Check the battery electrolyte levels and specific gravity levels.
- Load test generator battery.
- Check, adjust and record generator output voltage, as necessary.
- Check and record the alternator charge rate.
- During inspection run the generator for 30 minutes under load. During this time, and after the engine is at full operational speed and has reached engine operating temperature; determine and record the condition of all inspection points: oil pressure, water/ coolant temperature, Fuel pressure, generator gauge, indicator operations, generator battery.
- Check the engine timing and adjust to manufacturers specifications, if necessary.
- Inspect, adjust and record governor and frequency, if necessary.
- Verify that the low fuel alarm is operational and configured correctly to trigger when the fuel tank reaches 50% of fuel tank capacity.

Check fuel level and refuel the generator during the preventive/ corrective maintenance visit.

# Exhibit E



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06/13/2021 Mailed from 01566

**PRIORITY MAIL 2-DAY™**

Expected Delivery Date: 06/17/21  
 Ref#: HA242A-NHP  
**0006**

SHIP TO: LISA MATTHEWS  
 CT SITING COUNCIL  
 10 FRANKLIN SQ  
 NEW BRITAIN CT 06051-2655

**USPS TRACKING #**



**9405 5036 9930 0412 0294 14**

Electronic Rate Approved #038555749



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### Instructions

1. Each Click-N-Ship® label is unique. Labels are to be used as printed and used only once. DO NOT PHOTO COPY OR ALTER LABEL.
2. Place your label so it does not wrap around the edge of the package.
3. Adhere your label to the package. A self-adhesive label is recommended. If tape or glue is used, DO NOT TAPE OVER BARCODE. Be sure all edges are secure.
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5. Mail your package on the "Ship Date" you selected when creating this label.

### Click-N-Ship® Label Record

**USPS TRACKING # :**  
**9405 5036 9930 0412 0294 14**

Trans. #: 535731983	Priority Mail® Postage: <b>\$7.95</b>
Print Date: 06/10/2021	Total: <b>\$7.95</b>
Ship Date: 06/13/2021	
Expected Delivery Date: 06/17/2021	

**From:** DEBORAH CHASE      Ref#: HA242A-NHP  
 NORTHEAST SITE SOLUTIONS, LLC  
 420 MAIN ST STE 2  
 STURBRIDGE MA 01566-1359

**To:** LISA MATTHEWS  
 CT SITING COUNCIL  
 10 FRANKLIN SQ  
 NEW BRITAIN CT 06051-2655

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# Exhibit F

## Deborah Chase

---

**From:** Deborah Chase  
**Sent:** Monday, June 14, 2021 5:05 PM  
**To:** 'sbransfield@portlandct.org'  
**Subject:** 95 HIGH STREET PORTLAND CT 06480 T-MOBILE EM APPLICATION (CTHA242A-NHP)  
**Attachments:** 95 HIGH STREET PORTLAND CT 06480 T-MOBILE EM APPLICATION (CTHA242A-NHP).pdf

Dear First Selectwoman Bransfield,

Attached please find T-Mobile's exempt modification application that is being submitted to the

Connecticut Siting Council today, June 14, 2021 for the above referenced address.

In light of the present circumstances with Covid-19, the Council has advised that electronic notification of this filing is acceptable.

If you could kindly confirm receipt.

Thank you very much

**Deborah Chase**

Senior Project Coordinator & Analyst

Mobile: 860-490-8839



🌱 Save a tree. Refuse. Reduce. Reuse. Recycle.

## Deborah Chase

---

**From:** Deborah Chase  
**Sent:** Monday, June 14, 2021 5:08 PM  
**To:** 'rcurley@portlandct.org'  
**Subject:** 95 HIGH STREET PORTLAND CT 06480 T-MOBILE EM APPLICATION (CTHA242A-NHP)  
**Attachments:** 95 HIGH STREET PORTLAND CT 06480 T-MOBILE EM APPLICATION (CTHA242A-NHP).pdf

Dear Mr. Curley

Attached please find T-Mobile's exempt modification application that is being submitted to the

Connecticut Siting Council today, June 14, 2021 for the above referenced address.

In light of the present circumstances with Covid-19, the Council has advised that electronic notification of this filing is acceptable.

If you could kindly confirm receipt.

Thank you very much

**Deborah Chase**

Senior Project Coordinator & Analyst

Mobile: 860-490-8839



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## Deborah Chase

---

**From:** Deborah Chase  
**Sent:** Monday, June 14, 2021 5:07 PM  
**To:** 'ZEO@portlandct.org'  
**Subject:** 95 HIGH STREET PORTLAND CT 06480 T-MOBILE EM APPLICATION (CTHA242A-NHP)  
**Attachments:** 95 HIGH STREET PORTLAND CT 06480 T-MOBILE EM APPLICATION (CTHA242A-NHP).pdf

Dear Mr. Herring,

Attached please find T-Mobile's exempt modification application that is being submitted to the

Connecticut Siting Council today, June 14, 2021 for the above referenced address.

In light of the present circumstances with Covid-19, the Council has advised that electronic notification of this filing is acceptable.

If you could kindly confirm receipt.

Thank you very much

**Deborah Chase**

Senior Project Coordinator & Analyst

Mobile: 860-490-8839



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